Fishermen's Report

Bottom Trawl Survey

Cape Hatteras - Georges Bank
February 1 - 24, 1999
R/V Albatross IV

National Marine Fisheries Service
Northeast Fisheries Science Center
Woods Hole, MA 02543

FISHERMEN□S REPORT

National Marine Fisheries Service
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Winter Bottom Trawl Survey
Preliminary Catch Summary
Cape Hatteras - Georges Bank
February 7 - 27, 1998

The enclosed listed and plotted data are of commercially and recreationally important species caught during the Northeast Fisheries Science Center's 1998 winter bottom trawl survey aboard the *R/V ALBATROSS IV* out of Woods Hole, Ma. Tows were made with a standardized #36 Yankee flat trawl equipped with a rubber disc covered chain sweep, 30 fathom ground cables, 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 to 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 useful information about distribution and relative abundance of fish from Cape Hatteras to Georges Bank.

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

For further information contact Tom Azarovitz or Linda Despres, Resource Surveys Branch, National Marine Fisheries Service, Northeast Fisheries Science Center, 166 Water Street, Woods Hole, MA 02543-1097, Telephone 508-495-2000.

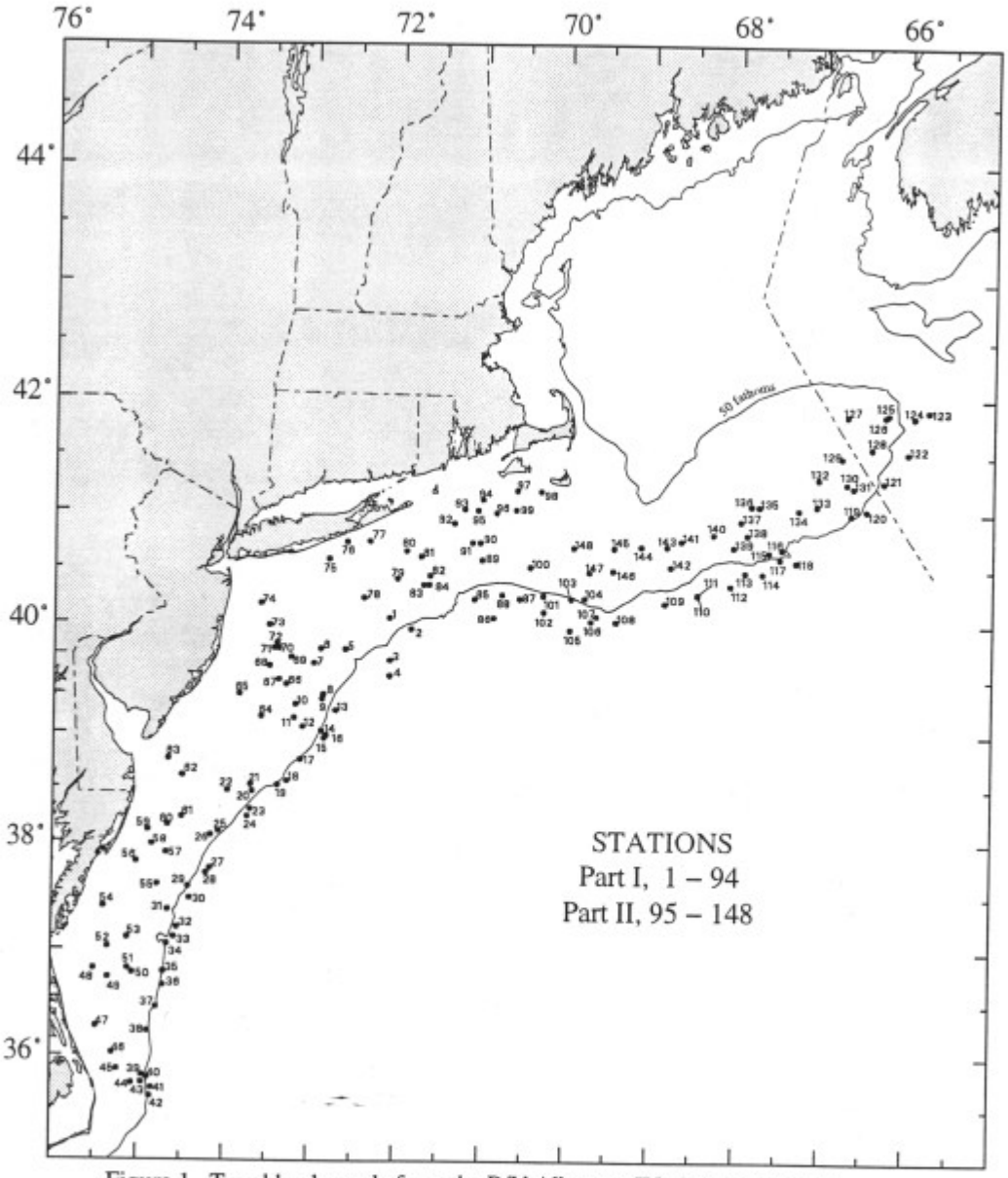

Figure 1. Trawl hauls made from the R/V Albatross IV, during National Marine Fisheries Service, Northeast Fisheries Science Center winter bottom trawl survey (99 – 02), February 1 – 24, 1999.

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

ation	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Tem (F)
001	Feb-02	0318	4002.9	7205.8	X26067.6	Y43381.8	120	41.6	50.
002	Feb-02	0557	3956.8	7150.7	X25957.3	Y43320.1	081	59.1	58.
003	Feb-02	0917	3939.7	7205.4	X26066.9	Y43180.9	224	79.0	58.
004	Feb-02	1147	3931.3	7205.4	X26069.3	Y43107.0	235	178.5	46.
005	Feb-02	1702	3945.6	7236.5	X26287.7	Y43246.6	204	34.7	48.
006	Feb-02	2043	3946.0	7253.7	X26411.9	Y43257.6	243	40.7	47.
007	Feb-02	2258	3938.1	7258.5	X26438.6	Y43184.6	158	35.0	47.
008	Feb-03	0157	3921.3	7251.6	X26378.9	Y43023.5	168	39.4	48.
009	Feb-03	0319	3918.8	7252.4	X26382.6	Y42999.8	322	38.5	53.
010	Feb-03	0702	3915.8	7311.2	X26505.2	Y42971.5	191	35.3	53.
011	Feb-03	0913	3908.4	7312.2	X26504.7	Y42898.9	127	36.1	48.
012	Feb-03	1109	3903.5	7306.0	X26461.2	Y42851.7	040	38.5	50.
013	Feb-03	1415	3912.4	7242.8	X26316.6	Y42939.8	001	65.3	57.
014	Feb-03	1713	3901.3	7252.8	X26376.2	Y42832.8	164	56.9	54.
015	Feb-03	1846	3857.1	7250.9	X26362.9	Y42793.3	033	108.3	56.
016	Feb-03	2001	3858.8	7249.4	X26354.1	Y42809.7	210	111.3	56.
017	Feb-03	2242	3845.5	7307.4	X26458.4	Y42675.3	210	62.9	57.
018	Feb-04	0045	3833.8	7316.9	X26507.1	Y42555.5	220	68.4	58.
019	Feb-04	0209	3831.5	7323.6	X26544.2	Y42528.0	282	57.7	58.
020	Feb-04	0420	3828.1	7341.5	X26644.3	Y42480.6	210	37.7	52.
021	Feb-04	0559	3831.7	7342.7	X26654.7	Y42517.1	238	34.7	50.
022	Feb-04	0758	3828.4	7359.0	X26744.1	Y42470.9	258	29.0	50.
023	Feb-04	1053	3818.2	7343.0	X26642.4	Y42378.6	183	62.3	57.
024	Feb-04	1216	3814.1	7344.9	X26649.0	Y42335.2	221	62.3	59.
025	Feb-04	1449	3806.1	7405.1	X26750.0	Y42231.6	248	38.3	54.
026	Feb-04	1713	3803.9	7410.5	X26775.5	Y42201.9	175	38.8	53.
027	Feb-04	2044	3745.4	7410.6	X26754.2	Y42007.7	048	104.7	52.
028	Feb-04	2241	3742.6	7413.5	X26765.3	Y41973.9	210	73.3	57.
029	Feb-05	0103	3735.1	7425.8	X26817.0	Y41876.7	172	46.2	54.
030	Feb-05	0233	3728.5	7424.6	X26803.6	Y41809.4	225	60.7	57.
031	Feb-05	0522	3722.2	7439.6	X26866.6	Y41716.7	265	32.8	54.
032	Feb-05	0846	3712.4	7433.1	X26824.6	Y41625.0		71.1	57.
033	Feb-05	1008	3706.9	7435.2	X26827.8	Y41563.9	185	62.6	57.
034	Feb-05	1349	3703.6	7440.0	X26845.7	Y41519.4	155	122.8	52.
035	Feb-05	1623	3647.5	7442.3	X26837.2	Y41346.7	178	48.1	54.
036	Feb-05	1848	3639.8	7442.5	X26829.6	Y41267.2	194	72.7	54.
037	Feb-05	2043	3627.5	7447.0	X26835.5	Y41130.6	200	50.0	54.
038	Feb-05	2238	3613.8	7400.5	X26632.6	Y41119.5	185	41.6	51.
039	Feb-06	0138	3548.5	7456.1	X26833.1	Y40719.1	141	36.9	51.
040	Feb-06	0254	3547.3	7452.7	X26818.7	Y40718.9	153	52.8	53.
041	Feb-06	0457	3541.3	7449.8	X26802.6	Y40672.2	150	146.3	55.
042	Feb-06	0642	3536.5	7450.9	X26802.5	Y40624.3	001	41.3	53.
043	Feb-06	0820	3544.5	7456.7	X26831.3	Y40679.4	001	31.4	51.
044	Feb-06	0958	3544.0	7503.3	X26856.2	Y40653.8	000	24.3	50.
045	Feb-06	1153	3552.0	7513.6	X26903.0	Y40699.8	343	15.9	49.
046	Feb-06	1330	3601.6	7517.0	X26926.7	Y40785.5	332	16.4	50.
047	Feb-06	1553	3616.5	7528.4	X26989.4	Y40909.0	351	15.9	49.
048	Feb-06	1940	3649.1	7530.4	X27043.7	Y41258.3	101	11.5	48.

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

ation	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Tem (F)
049	Feb-06	2118	3644.2	7520.4	X26995.0	Y41225.8	015	13.1	48.
050	Feb-06	2337	3646.8	7503.5	X26927.3	Y41292.3	307	17.5	49.
051	Feb-07	0059	3649.3	7506.8	X26944.7	Y41311.8	318	17.0	48.
052	Feb-07	0435	3701.4	7520.8	X27022.4	Y41413.7	067	17.2	47.
053	Feb-07	0626	3706.4	7507.3	X26970.8	Y41496.2	319	18.6	47.
054	Feb-07	0913	3723.8	7524.0	X27073.4	Y41659.0	065	14.8	45.
055	Feb-07	1306	3736.2	7447.2	X26922.4	Y41855.9	321	23.5	47.
056	Feb-07	1530	3748.9	7501.8	X27013.8	Y41974.3	069	14.2	45.
057	Feb-07	1755	3753.9	7441.3	X26920.3	Y42057.2	304	20.5	47.
058	Feb-07	1928	3758.6	7451.2	X26978.0	Y42095.9	322	14.8	45.
059	Feb-07	2057	3806.6	7454.0	X27006.8	Y42181.3	052	13.1	44.
060	Feb-07	2200	3809.3	7440.5	X26941.5	Y42226.5	035	20.2	46.
061	Feb-08	0028	3813.9	7430.8	X26898.2	Y42286.9	007	22.7	46.
062	Feb-08	0320	3836.6	7430.6	X26936.3	Y42534.4	312	17.5	45.
063	Feb-08	0539	3845.8	7440.4	X27010.3	Y42629.7	074	14.5	42.
064	Feb-08	1408	3909.2	7335.4	X26655.2	Y42903.6	307	21.6	46.
065	Feb-08	1659	3921.4	7351.2	X26776.7	Y43027.9	078	19.1	43.
066	Feb-08	2035	3926.6	7318.1	X26562.4	Y43078.4	270	19.1	45.
067	Feb-08	2150	3929.2	7323.3	X26601.1	Y43104.7	312	19.7	45.
068	Feb-08	2327	3936.6	7330.0	X26658.1	Y43180.1	100	20.5	44.
069	Feb-09	0143	3941.5	7314.7	X26557.7	Y43223.5	352	22.7	45.
070	Feb-09	0326	3946.3	7323.4	X26626.8	Y43274.1	002	20.8	44.
071	Feb-09	0451	3946.2	7326.9	X26652.0	Y43274.6	344	18.6	44.
072	Feb-09	0608	3949.0	7324.9	X26641.7	Y43301.4	332	20.8	44.
073	Feb-09	0758	3958.9	7330.4	X26699.6	Y43401.8	000	23.2	44.
074	Feb-09	0954	4010.8	7336.5	X26769.6	Y43523.0	157	20.2	44.
075	Feb-09	1506	4034.7	7248.6	X26435.9	Y43699.2	045	19.1	44.
076	Feb-09	1706	4043.8	7236.2	X26348.1	Y43762.4	085	16.7	39.
077	Feb-09	1904	4044.0	7220.5	X26216.0	Y43744.7	171	21.6	42.
078	Feb-09	2355	4013.9	7224.1	X26212.4	Y43491.1	096	32.0	46.
079	Feb-10	0235	4024.2	7200.7	X26033.1	Y43557.5	042	35.5	46.
080	Feb-10	0453	4039.0	7154.4	X25990.1	Y43672.0	108	28.7	45.
081	Feb-10	0733	4036.0	7144.2	X25902.9	Y43637.1	150	35.5	50.
082	Feb-10	1008	4025.9	7137.8	X25850.2	Y43549.3	227	42.1	53.
083	Feb-10	1216	4020.8	7142.1	X25885.1	Y43512.6	140	42.9	53.
084	Feb-10	1438	4020.9	7138.3	X25855.5	Y43510.1	144	43.7	54.
085	Feb-10	1755	4013.3	7106.4	X25624.9	Y43423.9	145	65.1	56.
086	Feb-10	2023	4003.2	7052.6	X25550.4	Y43336.4	104	103.3	55.
087	Feb-10	2320	4013.7	7033.8	X25409.9	Y43403.2	268	62.9	59.
088	Feb-11	0139	4015.8	7046.5	X25485.2	Y43427.7	130	64.0	59.
089	Feb-11	0519	4034.5	7101.2	X25557.6	Y43580.1	004	38.3	45.
090	Feb-11	0703	4043.5	7102.8	X25561.8	Y43649.4	265	31.4	45.
091	Feb-11	0936	4043.5	7108.2	X25606.4	Y43655.3	339	32.3	45.
092	Feb-11	1157	4053.8	7121.0	X25715.7	Y43746.7	306	30.3	48.
093	Feb-11	1358	4101.4	7113.9	X25659.7	Y43793.4	090	25.7	46.
094	Feb-11	1548	4106.5	7101.0	X25550.4	Y43813.4	010	20.0	43.
095	Feb-16	1800	4100.8	7104.4	X25575.6	Y43776.9	139	26.0	46.
096	Feb-16	2107	4059.3	7051.2	X25459.6	Y43749.6	046	27.6	45.

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1999 STATION INFORMATION

ıtion	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
)97	Feb-17	0110	4111.3	7036.2	X25333.9	Y43814.2	067	17.8	39.9
)98	Feb-17	0309	4111.0	7018.8	X25178.2	Y43790.1	179	16.7	38.7
)99	Feb-17	0528	4100.0	7036.8	X25336.6	Y43737.7	136	25.7	42.3
.00	Feb-17	0912	4030.8	7026.4	X25318.6	Y43521.1	148	36.6	46.2
.01	Feb-17	1130	4015.4	7016.8	X25310.1	Y43403.8	181	52.5	52.7
.02	Feb-17	1451	4006.5	7016.3	X25334.2	Y43339.1	046	64.2	56.7
.03	Feb-17	1721	4013.8	6956.6	W14168.6	Y43378.4	093	49.8	49.1
.04	Feb-17	2029	4014.1	6947.0	W14118.5	Y43374.3	161	47.6	47.1
.05	Feb-17	2325	3956.6	6957.4	W14225.1	Y43257.5	094	160.5	51.4
.06	Feb-18	0135	4001.4	6942.4	W14135.2	Y43284.1	059	64.8	57.2
.07	Feb-18	0302	4004.2	6938.5	W14107.0	Y43301.9	113	57.7	57.0
.08	Feb-18	0455	4001.2	6924.6	W14047.8	Y43273.9	075	53.9	55.2
.09	Feb-18	0836	4011.6	6850.2	W13847.2	Y43325.5	074	69.4	54.3
.10	Feb-18	1115	4016.2	6827.6	W13725.4	Y43343.0	075	79.3	54.7
.11	Feb-18	1152	4016.4	6827.5	W13724.4	Y43344.4	259	71.9	54.7
.12	Feb-18	1533	4021.3	6804.7	W13603.2	Y43362.0	040	81.2	53.8
.13	Feb-18	1819	4028.4	6754.5	W13530.7	Y43398.8	093	64.0	53.2
.14	Feb-18	2018	4027.9	6742.2	W13479.3	Y43389.0	155	97.6	54.5
.15	Feb-18	2245	4039.4	6737.9	W13414.9	Y43452.1	062	45.9	45.3
.16	Feb-19	0100	4040.9	6728.8	W13369.6	Y43455.4	181	49.5	48.7
.17	Feb-19	0304	4035.9	6730.1	W13396.0	Y43427.7	111	53.6	50.0
.18	Feb-19	0544	4034.1	6718.8	W13356.2	Y43411.7	050	67.0	55.4
.19	Feb-19	1054	4059.6	6639.8	W13093.4	Y43526.0	080	47.6	43.9
.20	Feb-19	1305	4101.8	6628.8	W13042.5	Y43530.6	041	67.5	53.4
.21	Feb-19	1634	4116.9	6616.8	W12930.7	Y43599.0	020	63.2	51.3
.22	Feb-19	2058	4132.1	6600.3	W12802.0	Y43661.5	051	72.5	55.0
.23	Feb-20	0139	4154.4	6500.5	W12510.0	Y43720.8	322	99.5	53.1
.24	Feb-20	0428	4151.1	6556.0	W12696.3	Y43747.6	278	53.9	46.2
.25	Feb-20	0814	4152.6	6613.9	W12750.0	Y43769.2	232	43.5	41.9
.26	Feb-20	0836	4151.6	6616.1	W12762.3	Y43766.5	248	44.3	
.27	Feb-20	1215	4151.5	6642.9	W12860.7	Y43789.3	229	36.1	46.2
.28	Feb-20	1558	4134.6	6625.4	W12878.7	Y43692.4	197	47.6	41.0
.29	Feb-20	1950	4129.6	6646.6	W12982.2	Y43684.2	230	39.6	41.2
.30	Feb-21	0003	4116.4	6643.4	W13031.7	Y43614.9		42.1	41.5
.31	Feb-21	0248	4113.9	6638.3	W13023.8	Y43598.5	287	42.7	41.5
.32	Feb-21	0730	4118.4	6703.2	W13100.2	Y43640.0	197	34.4	41.7
.33	Feb-21	1041	4104.1	6704.3	W13169.3	Y43565.8	060	36.4	41.5
.34	Feb-21	1436	4101.9	6717.1	W13231.1	Y43563.2	300	36.6	41.5
.35	Feb-21	1751	4103.7	6744.9	W13341.6	Y43593.6	283	28.4	41.9
.36	Feb-21	2005	4103.9	6750.3	W13364.4	Y43599.0	212	27.3	41.9
.37	Feb-21	2206	4055.8	6757.7	W13432.4	Y43558.9	239	29.3	41.9
.38	Feb-22	0044	4048.5	6753.2	W13443.8	Y43513.8	205	38.0	41.9
.39	Feb-22	0309	4041.9	6802.7	W13513.2	Y43482.4	280	42.7	44.1
.40	Feb-22	0515	4048.8	6816.7	W13548.8	Y43532.4	249	28.2	42.1
.41	Feb-23	0710	4045.1	6800.4	W13489.6	Y43499.4	176	30.6	42.6
.42	Feb-23	0920	4031.3	6846.3	W13757.3	Y43447.7	079	38.0	42.1
.43	Feb-23	1139	4042.2	6848.9	W13727.6	Y43517.0	264	36.1	42.8
.44	Feb-23	1403	4042.0	6907.2	W13818.5	Y43530.1	260	38.0	42.6

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

ation	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Tem (F)
145	Feb-23	1625	4041.1	6926.2	W13917.9	Y43540.0	174	27.6	41.
146	Feb-23	1824	4029.0	6926.9	W13965.3	Y43461.5	256	33.9	42.
147	Feb-23	2104	4028.1	6943.6	W14054.3	Y43468.1	281	38.5	42.
148	Feb-23	2324	4041.2	6955.1	W14069.1	Y43565.4	263	26.0	40.

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
ALBATROSS IV FEB 01 - FEB 24, 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 FLOUNDER	YELLOWTAIL FLOUNDER	WINTER FLOUNDER	WITCH FLOUNDER	WINDOWPANE FLOUNDER	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
0001	13	0	48	0	4	0	0	0	0	11	0	60	0	0	0	0	1	3	0	0	0	16	1	4	108	269
0002	0	0	4	0	2	0	0	0	0	17	0	18	0	0	1	0	0	46	0	0	0	8	0	15	23	134
0003	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	10	28	40
0004	28	0	0	0	0	0	0	0	15	0	0	0	0	0	5	0	0	0	0	0	0	11	15	0	73	147
0005	435	0	32	2	2	0	0	0	0	0	0	44	0	0	8	0	4	0	0	0	1	4	9	8	24	573
0006	406	0	402	4	4	0	0	0	0	4	0	10	0	0	2	0	1	0	0	0	0	6	3	2	10	854
0007	240	0	485	4	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	14	0	1	10	758
0008	83	0	87	0	1	0	0	0	0	0	0	21	0	0	0	0	0	1	0	0	0	12	0	1	27	233
0009	260	0	69	39	1	0	0	0	0	0	0	39	0	0	0	0	7	5	0	0	0	1	0	9	186	616
0010	902	0	150	5	2	0	0	0	0	0	0	21	0	0	5	0	1	1	0	0	1	3	0	21	35	1147
0011	1389	0	128	2	0	0	0	0	0	0	0	12	0	0	1	0	0	6	0	0	1	5	0	21	34	1599
0012	433	0	13	37	0	0	0	0	0	0	0	19	0	0	0	0	0	9	0	0	0	0	0	3	189	703
0013	7	0	3	0	2	0	0	0	0	1	0	32	0	0	4	0	0	24	0	0	0	1	0	61	80	215
0014	12	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	10	0	0	0	0	0	59	65	171
0015	22	0	0	0	1	0	0	0	0	0	0	1	0	0	6	0	0	0	0	0	0	3	2	3	34	72
0016	12	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	8	0	1	43	68
0017	8	0	1	0	0	0	0	0	0	0	0	7	0	0	0	0	0	19	0	0	0	1	0	15	28	79
0018	28	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	18	0	0	0	0	0	7	19	74
0019	106	0	0	0	1	0	0	0	0	0	0	23	0	0	0	0	0	8	0	0	0	5	4	28	77	252
0020	6	0	12	0	0	0	0	0	0	0	0	52	0	0	9	0	0	2	0	0	0	0	0	9	85	175
0021	19	0	48	0	2	0	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	5	0	22	137	268
0022	3281	0	136	42	1	0	0	0	0	0	0	83	0	0	0	0	0	19	0	0	0	3	0	8	31	3604
0023	78	0	3	0	3	0	0	0	0	0	0	24	0	0	1	0	0	2	0	0	0	4	0	4	39	158
0024	22	0	0	0	2	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	3	0	2	60	108
0025	524	0	0	0	1	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0	9	66	672
0026	4538	0	3	0	1	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	17	0	33	51	4663
0027	165	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	44	0	1	28	241
0028	67	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	4	0	0	0	9	0	13	23	123
0029	2	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	22	2	5	61	121
0030	0	0	0	0	1	0	0	0	0	0	0	46	0	0	0	0	0	17	0	0	0	24	0	28	98	214
0031	1723	0	1	0	0	0	0	0	0	0	0	25	0	0	0	0	0	2	0	0	0	10	0	20	65	1846
0032	31	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	0	0	4	41
0033	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	5	0	14	46	77
0034	1401	0	0	0	4	0	0	0	0	4	0	40	0	0	10	0	0	6	0	0	0	9	5	15	173	1667
0035	8763	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	4	2	52	8841
0036	191	0	0	0	0	0	0	0	0	0	0	68	0	0	0	0	0	0	0	0	0	17	0	16	152	444
0037	1538	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	33	0	0	0	6	0	81	35	1715
0038	2766	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	7	291	3073
0039	3	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	18	149	174

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
ALBATROSS IV FEB 01 - FEB 24, 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 FLOUNDER	YELLOWTAIL FLOUNDER	WINTER FLOUNDER	WITCH FLOUNDER	WINDOWPANE FLOUNDER	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
0040	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0		0	0	0	0	0	11	2827	2840
0041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	5	0	33	147	196
0042	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0	0	4	0	73	149	230
0043	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	5	0	36	188	236
0044	7	0	4	0	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	32	165	253
0045	261	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	1	0	0	0	0	0	3	32	315
0046	2398	0	0	0	0	0	0	0	0	0	0	14	0	0	0	1	0	12	0	0	0	4	0	6	17	2452
0047	565	0	19	0	0	0	0	0	0	0	0	47	0	0	0	6	0	9	0	0	0	0	0	21	65	732
0048	432	83	20	14	0	0	0	0	0	0	0	8	0	0	0	5	1	5	0	0	0	0	0	20	95	683
0049	105	0	4	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	35	150
0050	713	0	30	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	7	80	844
0051	1270	13	40	0	0	0	0	0	0	0	0	39	0	0	0	1	0	3	0	0	0	0	0	7	104	1477
0052	63	6	20	0	0	0	0	0	0	0	0	28	0	0	0	4	0	0	0	0	0	0	0	5	78	204
0053	3915	16	100	0	0	0	0	0	0	0	0	39	0	0	0	15	0	0	0	0	0	0	0	5	80	4170
0054	174	9	30	1	0	0	0	0	0	0	0	8	0	0	0	5	0	0	0	0	0	0	0	3	25	255
0055	3882	5	174	0	0	0	0	0	0	0	0	102	0	0	1	1	0	7	0	0	0	0	0	2	597	4771
0056	512	11	30	1	0	0	0	0	0	0	0	18	0	0	0	15	5	1	0	0	0	0	0	1	2	596
0057	445	0	92	22	0	0	0	0	0	0	0	48	0	0	0	1	0	0	0	0	0	4	0	5	30	647
0058	418	17	100	13	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1	552
0059	72	6	68	3	0	0	0	0	0	0	0	4	0	0	0	5	0	0	0	0	0	0	0	0	17	175
0060	325	62	139	39	0	0	0	0	0	0	0	6	0	0	0	1	12	0	0	0	0	6	0	2	11	603
0061	275	0	128	85	0	0	0	0	0	0	0	11	0	0	0	1	1	0	0	0	0	1	2	6	17	527
0062	787	6	85	5	0	0	0	0	0	0	0	9	0	0	0	7	1	0	0	0	0	0	0	1	7	908
0063	204	0	578	0	0	0	0	0	0	0	0	4	0	0	0	11	0	0	0	0	0	0	0	1	96	894
0064	316	0	79	0	0	0	0	0	0	0	0	7	9	2	0	5	0	1	0	0	0	0	0	1	3	423
0065	527	15	145	0	0	0	0	0	0	0	0	3	4	3	0	17	1	0	0	0	0	11	0	0	16	742
0066	978	4	115	10	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	1	0	1	3	1116
0067	823	21	173	13	0	0	0	0	0	0	0	0	7	0	0	0	2	0	0	0	4	0	1	2	6	1052
0068	225	0	152	24	1	0	0	0	0	0	0	0	1	0	0	1	21	0	0	0	0	0	0	0	0	425
0069	516	0	135	12	2	0	0	0	0	0	0	0	7	2	0	2	2	0	0	0	2	16	0	7	43	746
0070	358	0	366	15	0	0	0	0	0	0	0	0	8	6	0	2	0	0	0	0	6	0	0	2	8	771
0071	148	12	136	3	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	0	6	0	0	0	6	319
0072	364	0	297	14	0	0	0	0	0	0	0	1	9	3	0	7	0	0	0	0	20	0	0	1	13	729
0073	386	0	306	1	1	0	0	0	0	0	0	5	32	13	0	15	0	0	0	0	161	1	0	0	15	936
0074	117	26	172	3	0	0	0	0	0	0	0	19	31	26	0	6	0	0	0	0	923	11	0	0	7	1341
0075	44	28	196	0	1	0	0	0	0	0	0	0	22	38	0	15	0	0	0	2	78	0	0	0	8	432
0076	6	64	210	4	3	0	0	0	0	0	0	0	25	31	0	13	0	0	0	0	51	1	0	0	5	413
0077	79	52	201	187	1	0	0	0	0	0	0	0	19	7	0	12	46	0	0	0	12	14	0	0	7	637
0078	770	7	304	25	5	0	0	0	0	0	0	27	0	0	1	0	2	0	0	0	2	21	0	13	44	1221

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
ALBATROSS IV FEB 01 - FEB 24, 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 FLOUNDER	YELLOWTAIL FLOUNDER	WINTER FLOUNDER	WITCH FLOUNDER	WINDOWPANE FLOUNDER	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
0079	433	0	706	46	9	0	0	0	2	4	0	8	0	0	17	0	0	0	0	0	9	26	0	13	74	1347
0080	1395	0	338	233	3	0	0	20	0	0	0	2	19	0	0	7	174	0	0	1	7	15	0	13	50	2277
0081	506	0	110	76	13	0	0	0	6	16	0	46	1	0	9	0	4	8	0	0	11	27	2	26	90	951
0082	1239	0	21	0	10	0	0	0	1	26	0	58	0	0	1	0	2	35	0	0	1	12	3	20	55	1484
0083	7009	0	15	0	6	0	0	0	0	67	0	45	0	0	1	0	2	13	0	0	2	13	2	13	48	7236
0084	944	0	1	0	5	0	0	0	0	17	0	42	0	0	0	0	0	6	0	0	0	9	2	2	22	1050
0085	44	0	0	0	2	0	0	0	0	2	0	4	0	0	0	0	0	50	0	0	0	25	1	13	14	155
0086	0	0	0	0	15	0	0	0	0	13	0	0	0	0	9	0	0	1	0	0	0	41	0	1	15	95
0087	0	0	0	7	11	0	0	0	1	15	0	23	0	0	0	0	0	4	0	0	0	15	0	4	12	92
0088	2	0	0	0	18	0	0	0	0	5	0	26	0	0	0	0	2	3	0	0	0	25	0	3	17	101
0089	285	0	0	14	4	0	0	0	0	1	0	4	0	0	0	0	2	0	0	0	0	17	4	4	26	361
0090	11129	16	174	0	11	0	1	0	0	2	0	38	81	0	2	11	4	0	0	0	13	16	0	5	49	11552
0091	2152	8	147	34	16	4	0	0	1	3	0	0	57	1	5	0	31	1	0	1	43	9	0	6	34	2553
0092	358	30	120	0	8	0	0	0	0	4	0	3	70	7	0	6	0	0	0	7	53	14	0	17	35	732
0093	35	80	139	0	13	0	0	0	0	1	0	5	76	131	0	20	0	0	0	19	669	72	1	2	34	1297
0094	5	22	6	0	0	3	0	0	0	0	0	0	4	1	0	1	0	0	0	3	12	1	1	0	1	60
0095	482	96	45	18	1	6	0	0	0	3	0	0	35	25	0	10	0	0	0	2	28	15	2	8	12	788
0096	1016	396	683	76	5	0	0	0	0	2	0	8	71	61	0	51	1	0	0	13	48	52	0	0	13	2496
0097	7	138	330	19	2	0	0	0	0	0	0	0	0	1	0	2	0	0	0	1	0	0	0	0	18	518
0098	0	7	15	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	2	0	0	0	0	7	36
0099	205	229	547	39	8	0	0	0	0	1	0	0	0	8	0	7	0	0	0	370	2	1	0	0	10	1427
0100	108	9	187	22	9	0	0	0	1	2	0	10	19	0	6	12	87	0	0	0	3	93	0	2	115	685
0101	1783	0	15	102	64	0	0	0	0	216	0	83	0	0	2	0	0	15	0	0	0	26	0	8	70	2384
0102	2	3	11	30	9	0	0	0	0	0	0	78	0	0	0	0	0	1	0	0	0	14	0	32	74	254
0103	4154	0	8	7	39	0	2	0	0	32	0	58	0	0	3	0	0	2	0	0	0	18	0	3	58	4384
0104	143	0	32	33	50	0	0	0	0	4	0	23	0	0	1	0	3	0	0	0	0	18	0	1	114	422
0105	9	0	9	1	14	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	19	7	0	30	92
0106	2	0	0	0	1	0	0	0	0	0	0	20	0	0	0	0	0	4	0	0	0	24	1	17	43	112
0107	0	0	1	0	2	0	0	0	0	6	0	22	0	0	1	0	0	56	0	0	0	33	0	11	62	194
0108	3	0	5	0	2	0	0	0	0	0	0	7	0	0	2	0	0	5	0	0	0	10	0	13	44	91
0109	8	0	6	0	3	0	0	0	10	1	0	208	0	0	13	0	0	3	0	0	0	4	0	15	98	369
0110	0	0	3	0	0	0	0	0	0	0	0	9	0	0	4	0	0	0	0	0	0	6	0	1	13	36
0111	0	0	4	0	3	0	0	0	0	4	0	47	0	0	22	0	0	1	0	0	0	15	0	22	171	289
0112	4	0	13	0	1	0	0	0	0	1	0	3	0	0	56	0	0	0	0	0	0	7	0	1	86	172
0113	0	0	7	0	1	0	0	0	0	3	0	4	0	0	0	0	0	7	0	0	0	15	0	21	29	87
0114	0	0	1	0	35	11	0	0	0	20	0	0	0	0	8	0	0	0	0	0	3	8	11	7	22	126
0115	28	0	163	5	46	4	11	0	5	14	0	0	1	0	0	0	0	0	0	2	76	5	0	0	55	415
0116	963	11	114	3	15	0	6	0	0	26	0	0	0	0	0	0	0	0	0	2	17	48	0	0	85	1290
0117	7	0	32	0	4	0	0	0	0	6	0	8	0	0	5	0	0	1	0	3	4	26	0	2	41	139

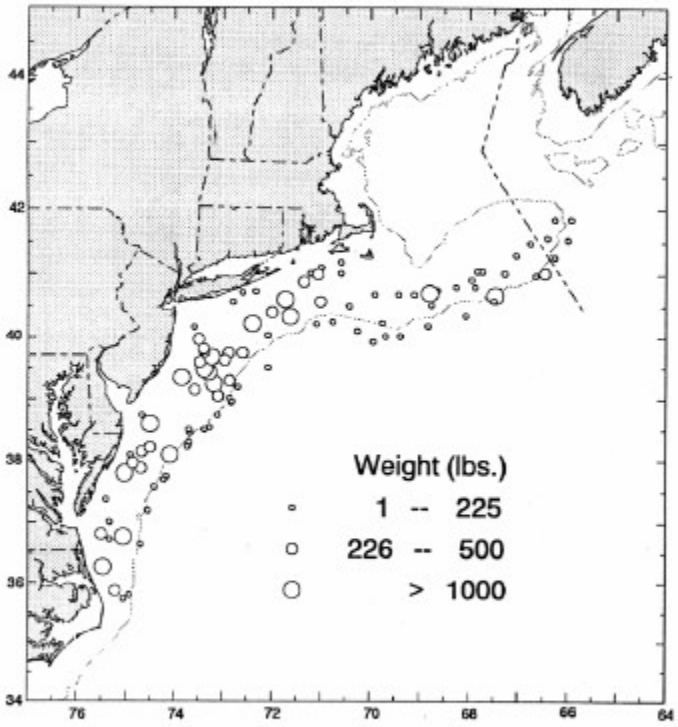
NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
ALBATROSS IV FEB 01 - FEB 24, 1999
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

STATION	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLOUNDER	YELLOWTAIL FLOUNDER	WINTER FLOUNDER	WITCH FLOUNDER	WINDOWPANE FLOUNDER	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
0118	0	0	26	0	11	0	0	0	0	1	0	45	0	0	1	0	0	3	0	1	5	0	0	50	30	173
0119	14	29	86	28	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	16	2	0	0	4	95	279
0120	412	55	26	0	598	0	0	0	0	176	0	7	0	0	1	0	0	16	0	0	2	0	0	2	105	1400
0121	113	9	21	1	4	117	91	1	15	3	0	0	0	0	0	0	0	1	0	3	0	0	1	38	17	435
0122	15	8	97	4	3	0	15	0	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	2	28	177
0123	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
0124	9	17	89	109	0	54	164	0	0	0	10	0	13	0	0	0	0	0	0	61	0	0	0	0	154	680
0125	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
0126	11	77	37	0	0	51	37	0	0	0	150	0	127	16	0	0	0	0	0	33	5	0	0	0	41	585
0127	0	18	18	0	0	3	7	0	0	0	9	0	13	28	0	2	0	0	0	9	4	0	0	0	9	120
0128	45	309	88	0	0	10	108	0	0	0	34	1	531	4	0	16	0	0	0	20	13	0	0	0	44	1223
0129	16	285	339	0	0	36	0	0	0	0	10	0	101	0	0	10	0	0	0	6	0	0	0	0	13	816
0131	0	293	193	5	0	11	0	0	0	0	0	0	466	0	2	1	9	0	0	3	0	30	0	0	113	1126
0132	87	253	363	0	1	26	0	0	0	0	9	0	37	5	0	58	0	0	0	7	18	0	0	0	41	905
0133	0	235	100	0	0	4	0	0	0	0	8	8	174	5	3	209	0	0	0	1	17	0	0	0	21	785
0134	19	248	217	0	0	56	0	0	0	0	7	11	240	4	0	105	3	0	0	6	18	0	0	0	78	1012
0135	16	497	363	0	0	29	0	0	0	0	2	0	5	2	0	98	0	0	0	5	0	0	0	0	4	1021
0136	26	226	142	0	0	13	0	0	0	0	0	0	2	0	0	41	0	0	0	1	0	0	0	0	3	454
0137	93	330	235	0	3	6	0	0	0	0	1	7	6	3	0	58	1	0	0	3	3	0	0	0	10	759
0138	80	96	139	3	0	3	0	0	0	0	9	4	50	0	0	78	1	0	0	4	2	0	0	0	33	502
0139	0	0	268	9	4	10	0	0	1	1	7	0	27	0	0	24	0	0	0	4	8	3	0	1	45	412
0140	4	334	150	0	0	15	0	0	0	0	2	0	3	0	0	111	0	0	0	0	0	0	0	0	7	626
0141	3	75	66	0	0	6	0	0	0	0	2	0	1	0	0	6	0	0	0	2	0	0	0	0	8	169
0142	6	68	66	0	1	0	0	0	0	0	5	10	53	0	0	98	0	0	0	2	4	0	0	0	20	333
0143	600	110	131	1	1	0	2	0	0	0	1	0	36	0	0	68	0	0	0	0	22	0	0	0	4	976
0144	218	262	89	11	2	3	2	0	0	0	0	1	15	7	0	139	2	0	0	7	27	0	0	0	24	809
0145	3	231	62	0	0	0	0	0	0	0	0	1	5	0	0	55	0	0	0	18	0	0	0	0	2	377
0146	0	600	724	16	1	18	5	0	0	5	0	10	48	19	0	82	1	0	0	22	18	0	0	0	67	1636
0147	0	86	218	4	1	0	0	0	0	0	0	9	14	0	2	19	0	0	0	0	0	25	0	0	33	411
0148	36	208	263	0	0	0	0	0	0	0	0	0	0	1	0	5	0	0	0	15	0	0	0	0	4	532
TOTAL	88268	646	714	898	1589	1144	499	452	21	58	745	266	2464	2586	467	236	1587	437	526	0	678	2437	1237	86	1289	10687	139124

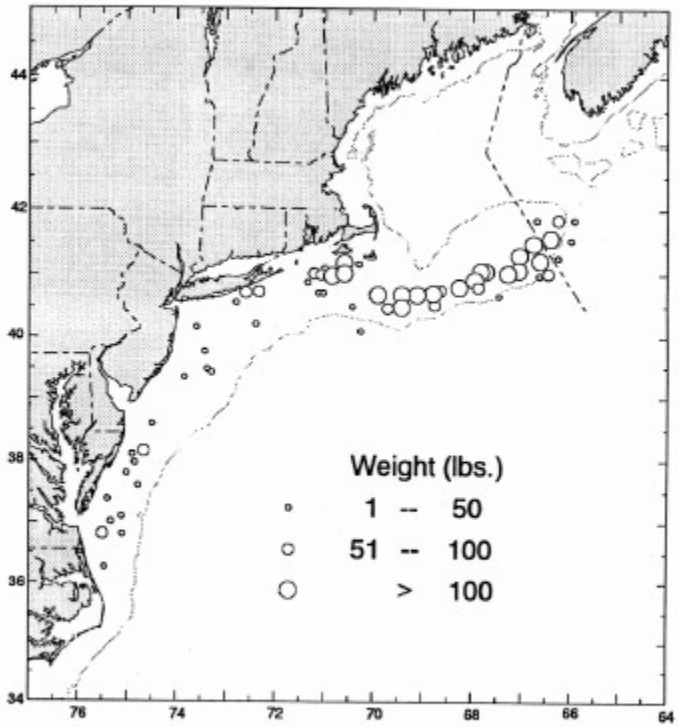
* "Total others" in southern areas are comprised primarily of rays, large sharks and spotted hake.

** Biological Station 130 data unavailable

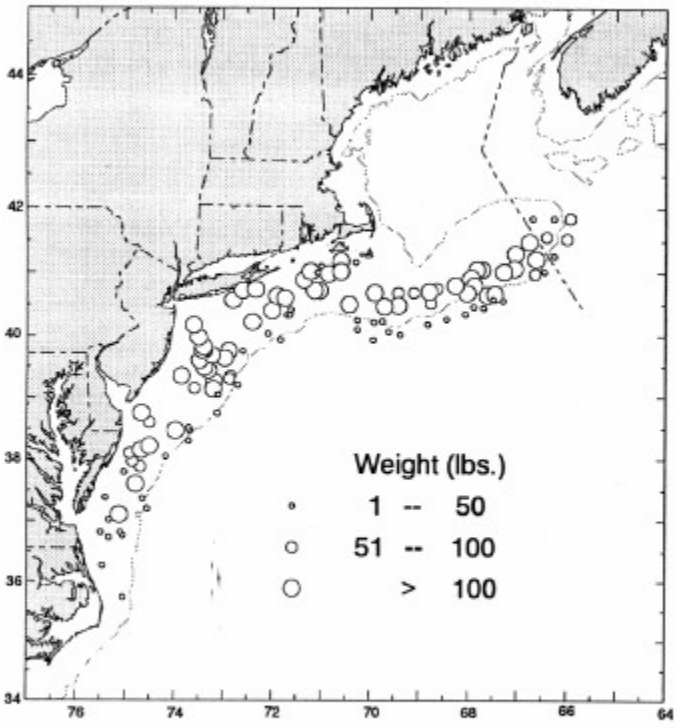
SPINY DOGFISH
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



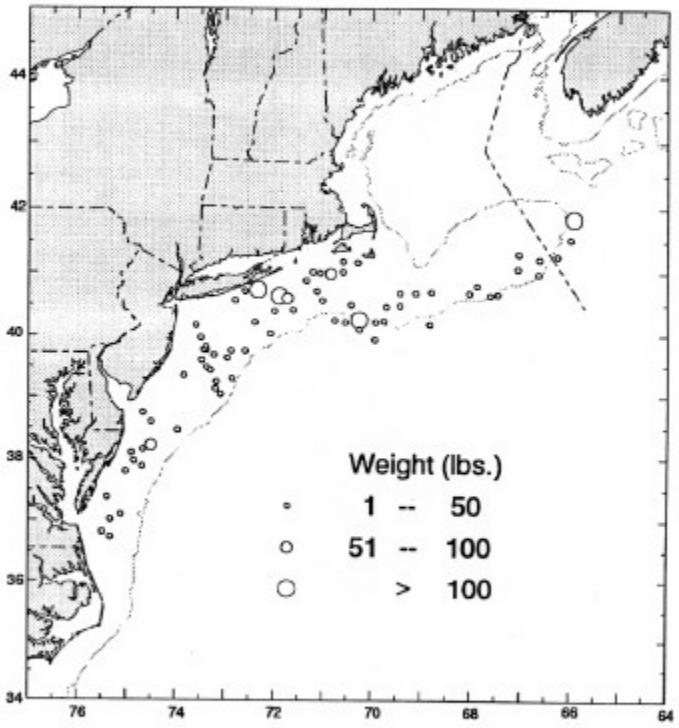
WINTER SKATE
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



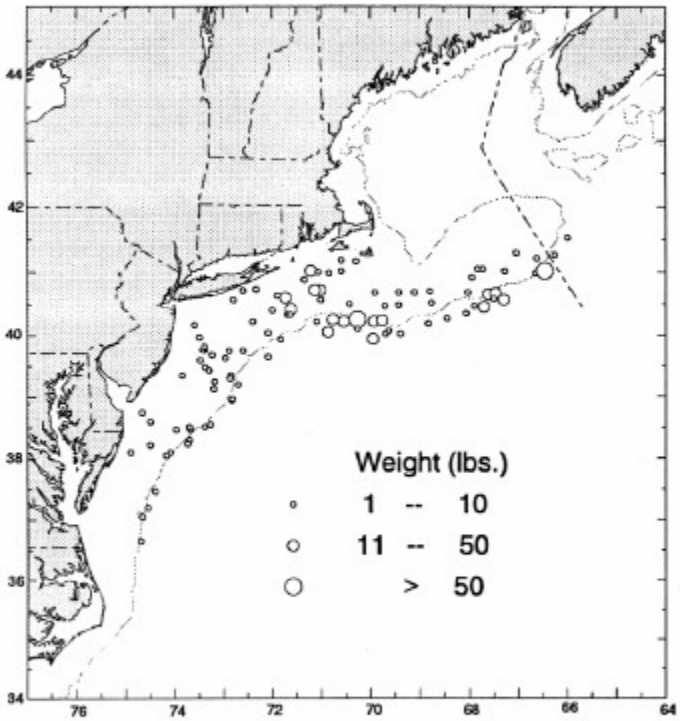
LITTLE SKATE
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



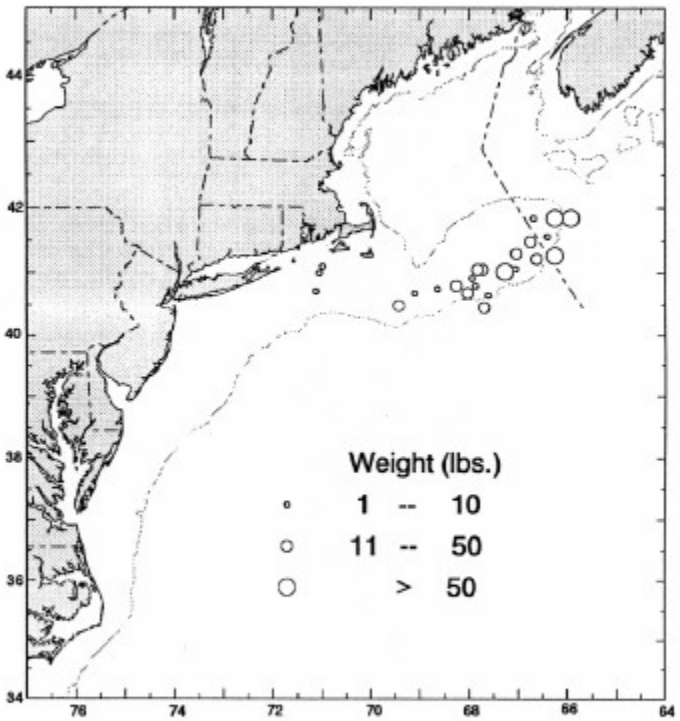
ATLANTIC HERRING
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



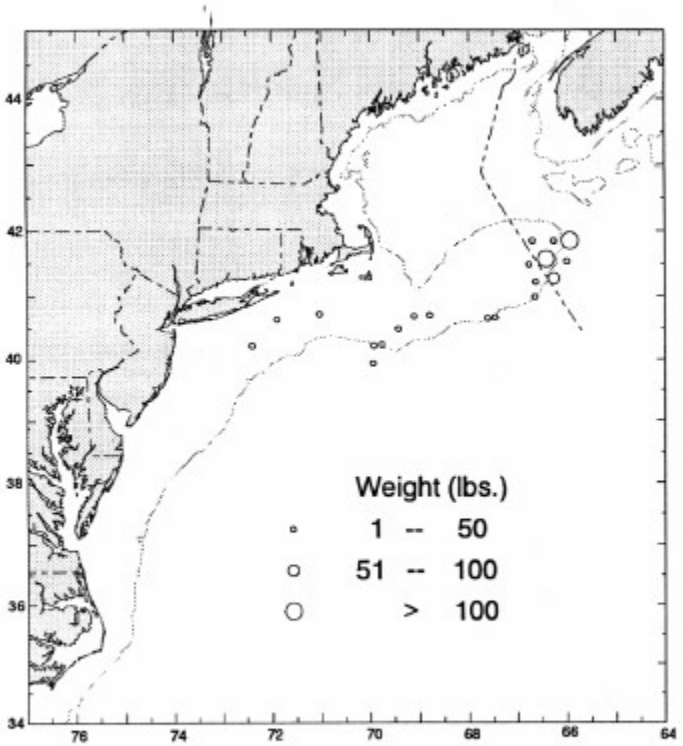
SILVER HAKE
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



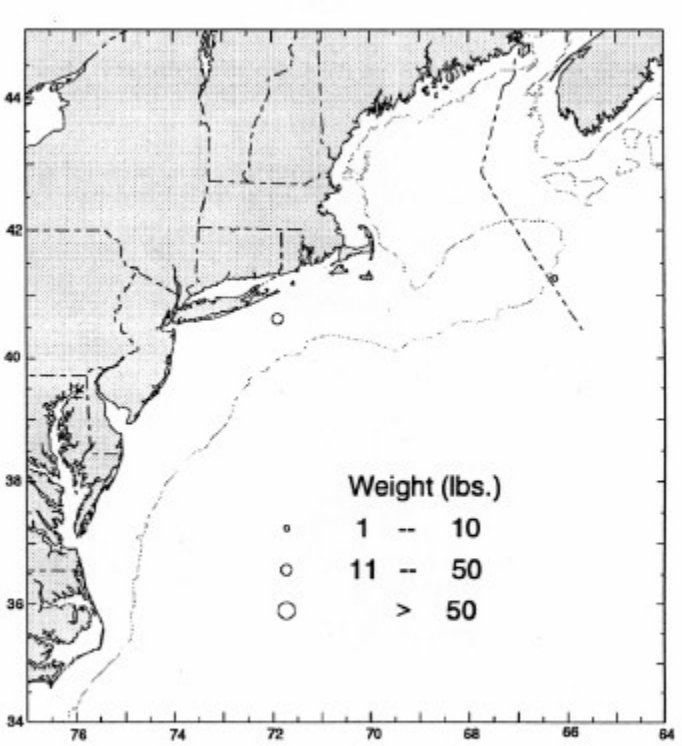
ATLANTIC COD
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



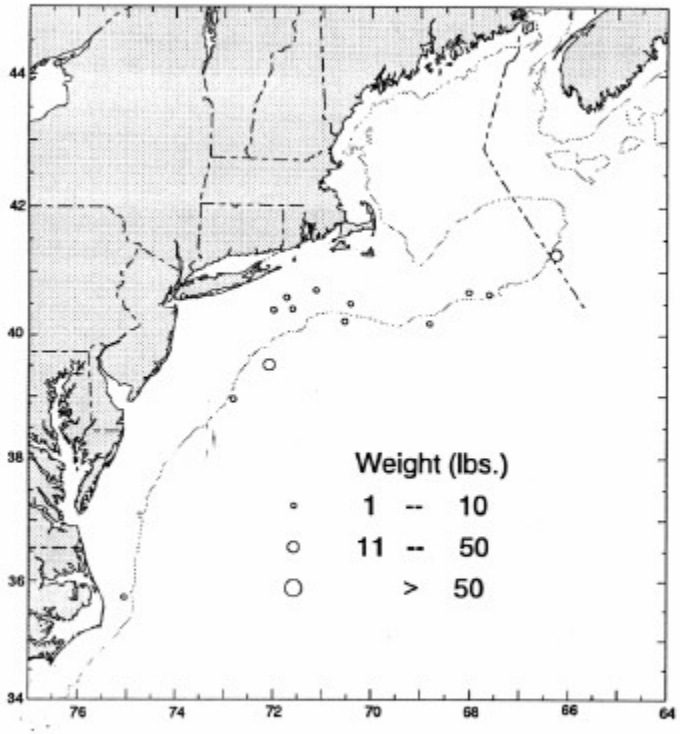
HADDOCK
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



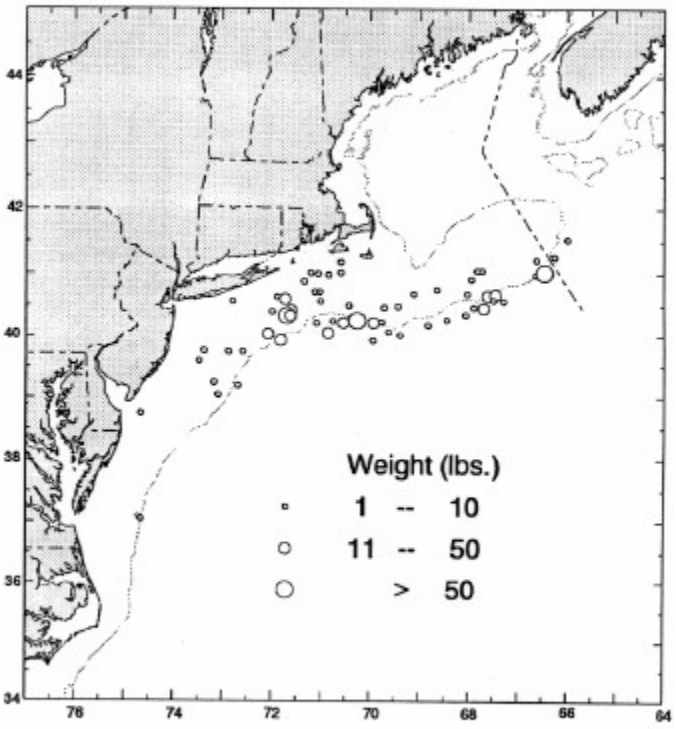
POLLOCK
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



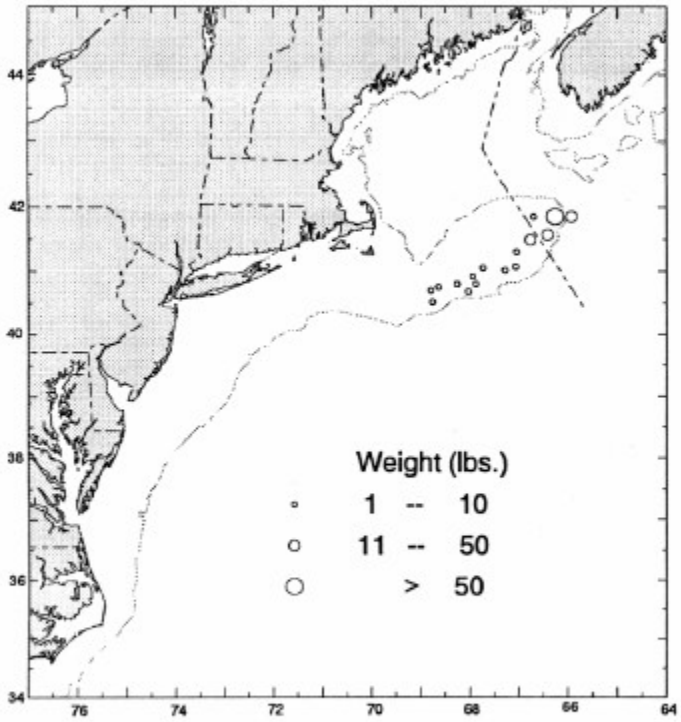
WHITE HAKE
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



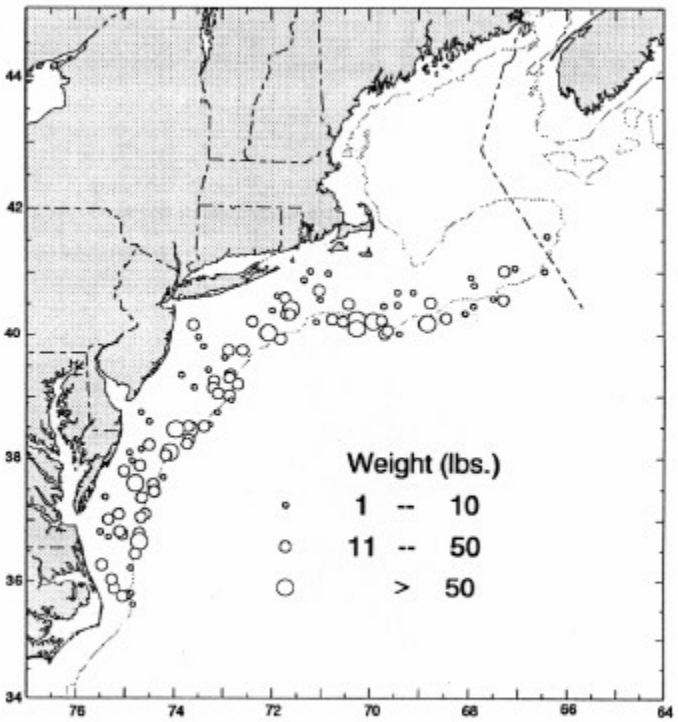
RED HAKE
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



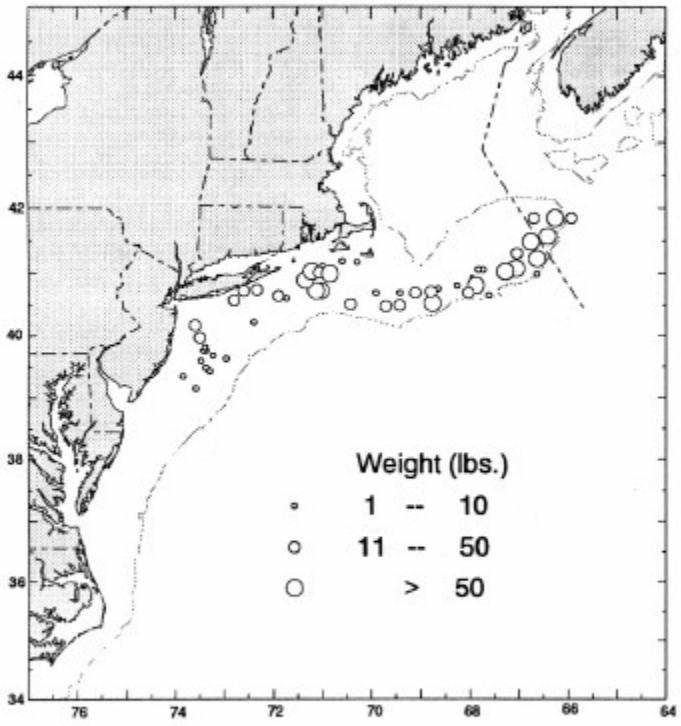
AMERICAN PLAICE
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



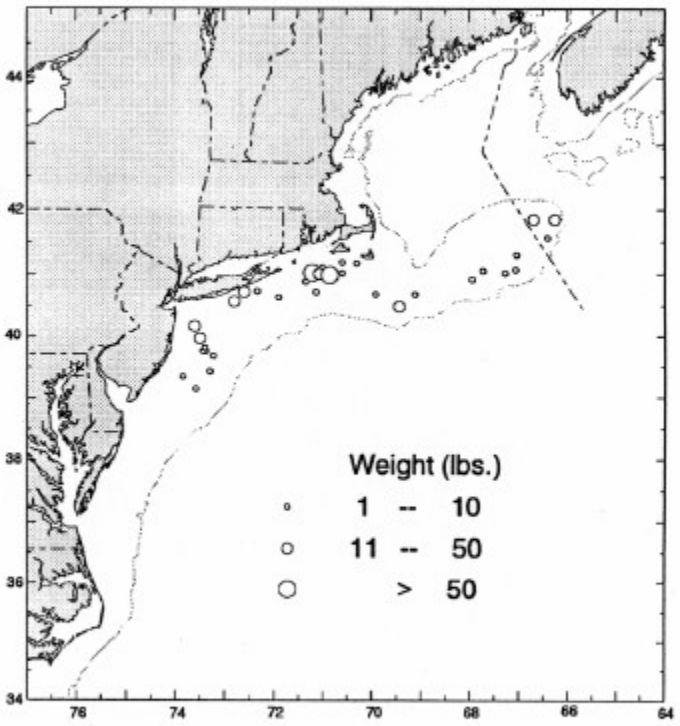
SUMMER FLOUNDER
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



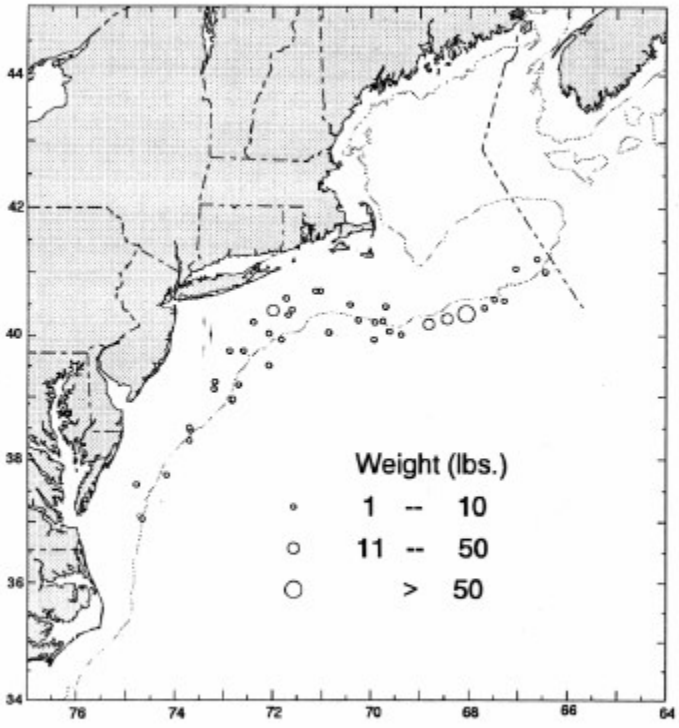
YELLOWTAIL FLOUNDER
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



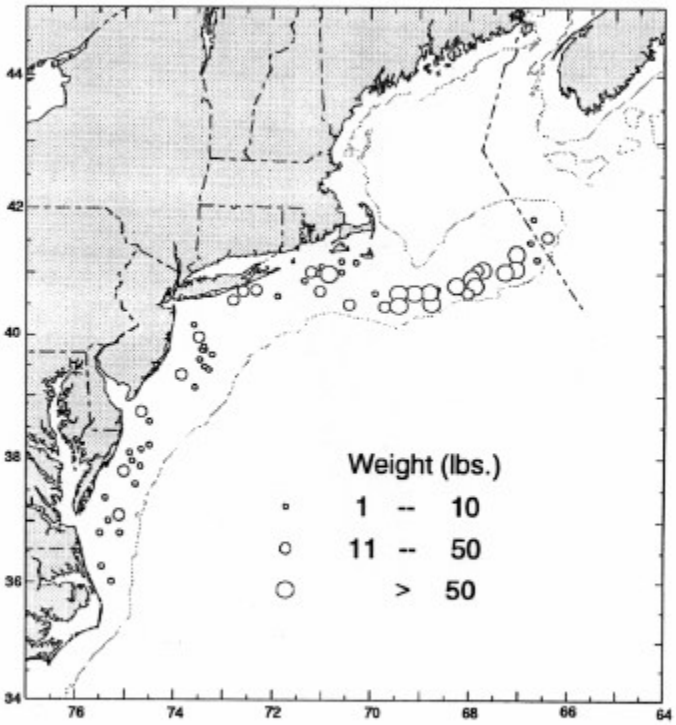
WINTER FLOUNDER
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



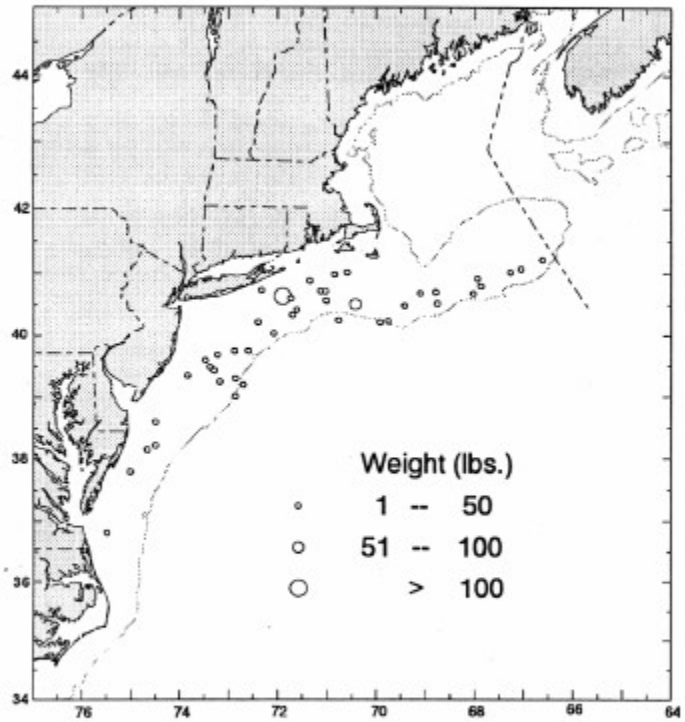
WITCH FLOUNDER
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



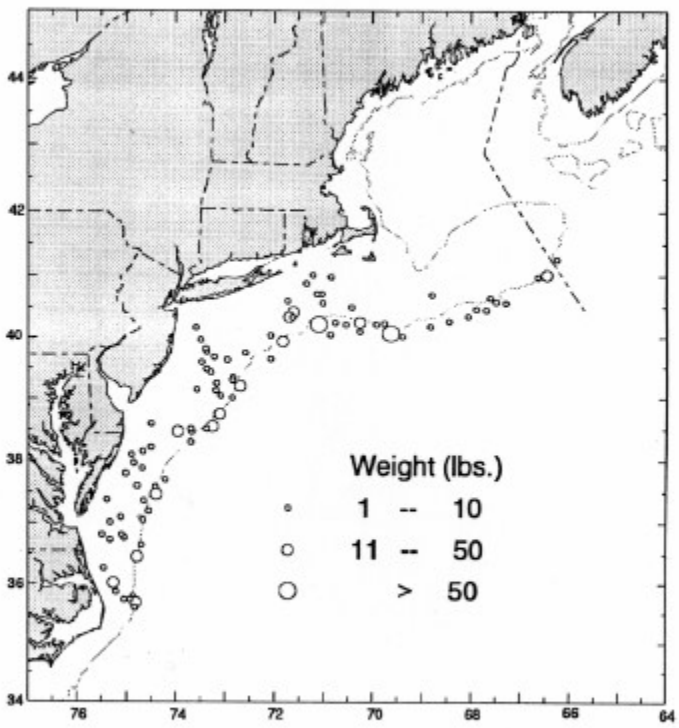
WINDOWPANE FLOUNDER
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



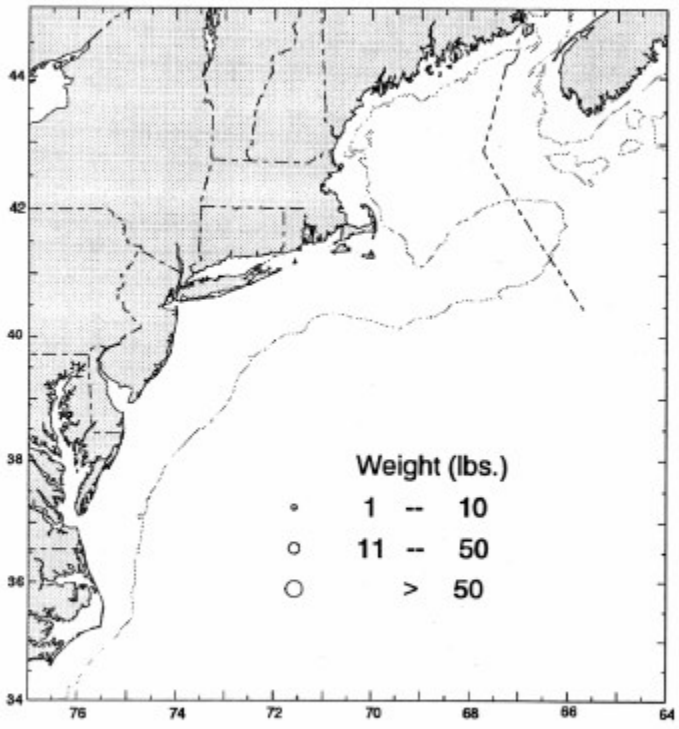
ATLANTIC MACKEREL
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



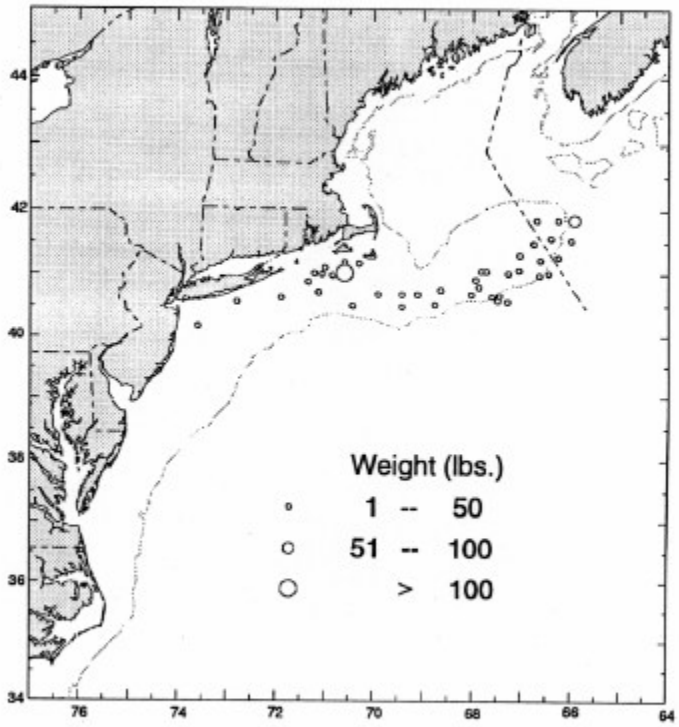
BUTTERFISH
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



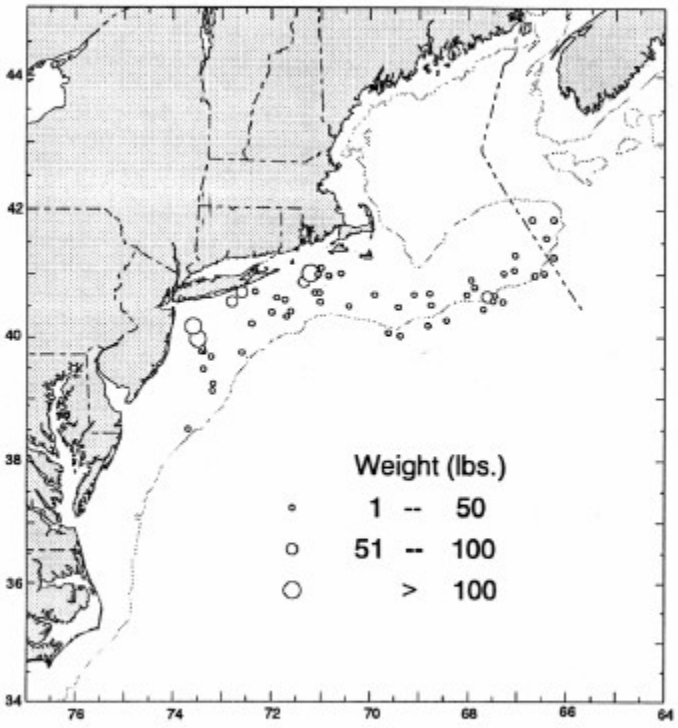
ACADIAN REDFISH
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



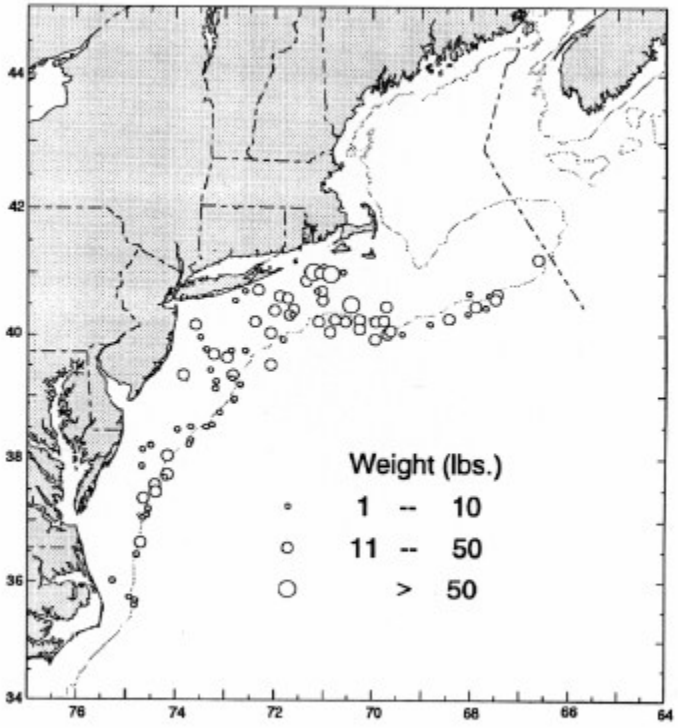
LONGHORN SCULPIN
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



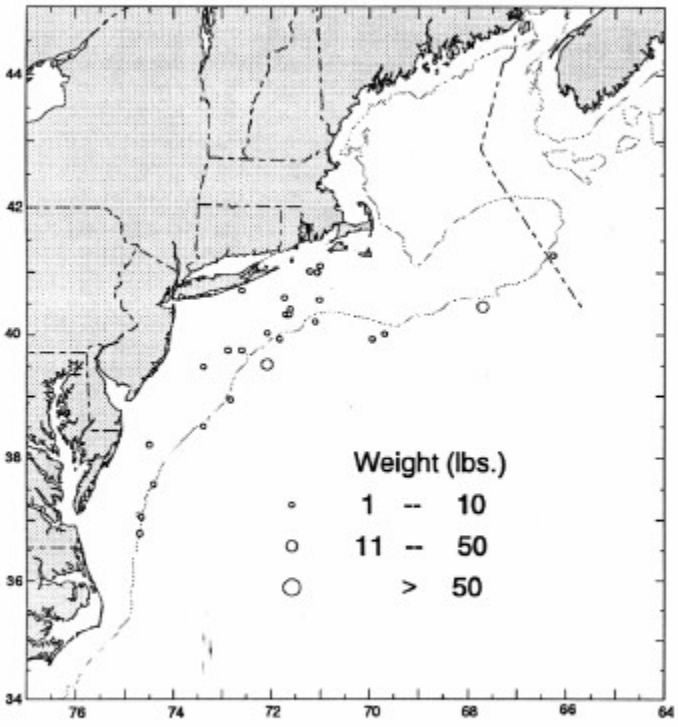
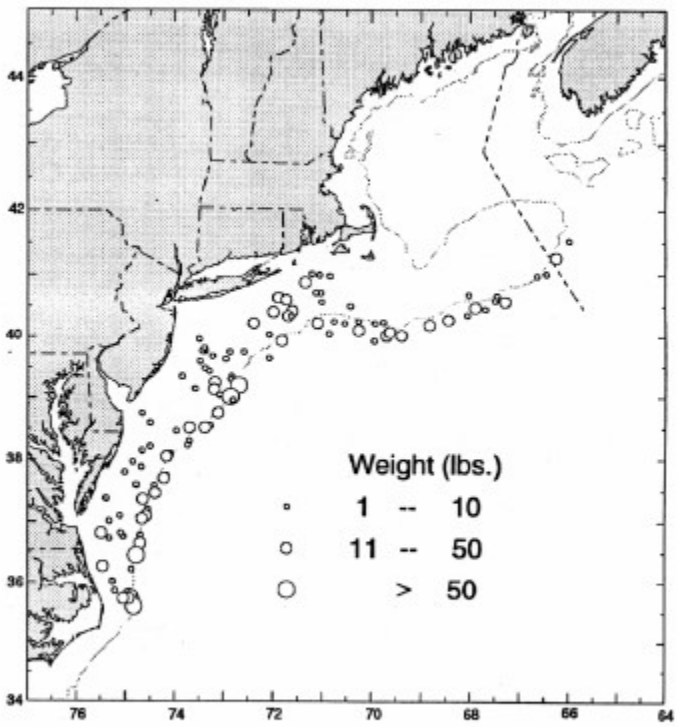
OCEAN POUT
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



GOOSEFISH
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



AMERICAN LOBSTER
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999



LONGFIN SQUID
NEFSC Bottom Trawl Survey
FEB 01 - 24, 1999