Fishermen's Report
Bottom Trawl Survey

Cape Hatteras - SE Georges Bank
February 9- March 1, 2000
FRV Albatross IV

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

William Kramer (NMFS Computer Specialist) and Letty Hopper (NMFS Observer) collect scales from a fish caught during the winter bottom trawl survey. Electronic fish measuring boards and other input devices were tested during this cruise.

FISHERMEN S REPORT

National Marine Fisheries Service
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Winter Bottom Trawl Survey
Preliminary Catch Summary
Cape Hatteras - SE Georges Bank
February 9 - March 1, 2000

The enclosed listed and plotted data are of commercially and recreationally important species caught during the Northeast Fisheries Science Center s 2000 winter bottom trawl survey aboard the *FRV Albatross IV*. 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, Ecosystems Surveys Branch, National Marine Fisheries Service, Northeast Fisheries Science Center, 166 Water Street, Woods Hole, MA 02543-1097, Telephone 508-495-2000.

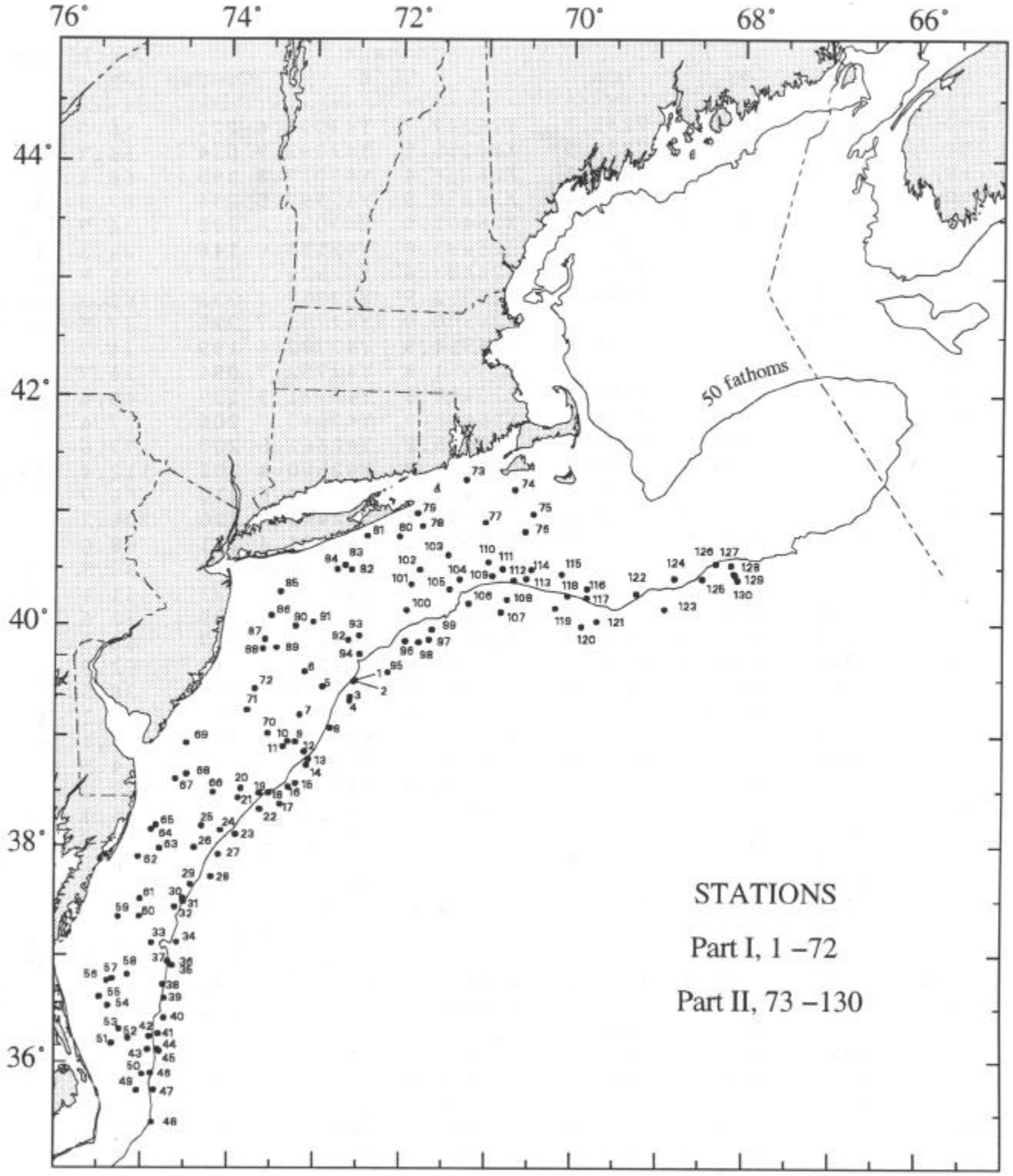

Figure 1. Trawl hauls made from the FRV Albatross IV, during National Marine Fisheries Service, Northeast Fisheries Science Center winter bottom trawl survey (2000 –01), February 9 –March 1, 2000.

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
2000 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran* TD's		Course	Bottom Depth (FM)	Temp (F)
0001	Feb-10	0936	3929.7	7231.7	X26247.7	Y43098.6	221	56.0	50.8
0002	Feb-10	1047	3929.0	7232.9	X26255.5	Y43092.9	034	54.7	50.7
0003	Feb-10	1337	3920.8	7235.1	X26268.4	Y43017.3	195	68.1	50.5
0004	Feb-10	1516	3918.6	7235.4	X26270.0	Y42997.5	294	67.8	49.1
0005	Feb-10	1741	3926.2	7254.4	X26401.0	Y43070.4	300	34.7	49.1
0006	Feb-10	1946	3934.4	7306.8	X26493.6	Y43151.6	146	24.3	41.4
0007	Feb-10	2246	3911.1	7310.1	X26493.4	Y42925.0	126	35.8	53.6
0008	Feb-11	0140	3904.0	7248.9	X26352.9	Y42859.2	232	62.3	53.6
0009	Feb-11	0421	3856.5	7313.1	X26500.9	Y42781.7	225	37.5	46.8
0010	Feb-11	0610	3856.8	7318.6	X26534.9	Y42782.6	199	34.7	45.7
0011	Feb-11	0825	3853.9	7321.7	X26551.8	Y42752.7	094	34.7	53.4
0012	Feb-11	1012	3851.2	7306.9	X26458.8	Y42731.3	137	45.4	53.4
0013	Feb-11	1228	3847.1	7304.0	X26438.7	Y42692.7	206	77.4	54.0
0014	Feb-11	1412	3844.0	7305.4	X26445.2	Y42661.5	200	77.6	54.3
0015	Feb-11	1723	3834.0	7313.0	X26484.2	Y42560.4	202	112.4	49.5
0016	Feb-11	1955	3800.3	7318.0	X26493.7	Y42224.6	210	66.7	53.4
0017	Feb-11	2231	3822.8	7323.8	X26538.8	Y42441.2	220	306.2	43.9
0018	Feb-12	0121	3828.9	7331.6	X26588.1	Y42496.4	211	68.6	53.8
0019	Feb-12	0335	3828.6	7338.3	X26626.2	Y42488.8	278	38.3	52.3
0020	Feb-12	0550	3831.3	7350.9	X26701.7	Y42506.6	203	31.4	48.6
0021	Feb-12	0754	3826.1	7352.8	X26706.1	Y42451.2	139	33.6	49.6
0022	Feb-12	1011	3820.0	7337.9	X26616.0	Y42401.2	037	68.9	52.0
0023	Feb-12	1324	3806.3	7354.6	X26693.8	Y42244.8	241	62.9	54.5
0024	Feb-12	1548	3808.5	7404.9	X26751.5	Y42256.9	259	38.5	54.7
0025	Feb-12	1753	3811.1	7418.0	X26825.4	Y42269.9	206	27.1	48.9
0026	Feb-12	1954	3759.1	7423.1	X26835.4	Y42136.0	218	30.1	50.5
0027	Feb-12	2248	3755.4	7406.4	X26744.1	Y42117.5	200	64.5	55.4
0028	Feb-13	0105	3743.3	7411.4	X26755.9	Y41984.2	204	108.0	55.6
0029	Feb-13	0320	3739.0	7425.7	X26821.7	Y41918.3	266	34.4	54.3
0030	Feb-13	0500	3731.2	7430.8	X26836.3	Y41828.2	201	35.5	55.2
0031	Feb-13	0704	3729.4	7430.4	X26832.5	Y41809.3	175	66.2	55.2
0032	Feb-13	0908	3726.4	7436.5	X26857.5	Y41767.7	212	32.8	54.1
0033	Feb-13	1153	3706.6	7452.3	X26904.6	Y41526.9	208	27.1	54.3
0034	Feb-13	1448	3706.9	7434.8	X26825.8	Y41564.6	190	64.2	56.7
0035	Feb-13	1712	3654.0	7438.0	X26825.5	Y41423.7	359	115.1	55.6
0036	Feb-13	1900	3654.3	7438.5	X26828.1	Y41426.0	004	66.2	55.8
0037	Feb-13	2020	3656.5	7441.2	X26842.3	Y41442.4	194	45.1	54.7
0038	Feb-13	2219	3643.5	7444.5	X26842.0	Y41299.9	189	44.6	53.6
0039	Feb-14	0040	3635.6	7443.5	X26829.3	Y41221.6	195	63.4	55.4
0040	Feb-14	0410	3624.6	7443.7	X26818.7	Y41110.3	180	339.0	43.3
0041	Feb-14	1102	3615.8	7447.5	X26825.6	Y41011.6	011	77.6	54.7
0042	Feb-14	1308	3614.3	7453.8	X26849.4	Y40979.5	186	35.8	53.1
0043	Feb-14	1515	3606.9	7454.8	X26845.7	Y40903.2	177	39.9	50.9
0044	Feb-14	1805	3607.2	7448.2	X26819.8	Y40924.1	185	68.6	55.0
0045	Feb-14	2027	3606.1	7446.8	X26813.6	Y40917.9	170	151.2	54.3
0046	Feb-14	2249	3553.6	7452.9	X26825.6	Y40778.0	173	49.5	53.8
0047	Feb-15	0126	3544.2	7450.5	X26807.8	Y40696.5	177	64.0	52.2
0048	Feb-15	0445	3525.8	7451.9	X26797.3	Y40523.5	035	66.7	58.8

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
2000 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran* TD's		Course	Bottom Depth (FM)	Temp (F)
0049	Feb-15	0918	3543.8	7502.4	X26852.2	Y40654.4	019	24.1	55.6
0050	Feb-15	1153	3500.5	7458.7	X26801.6	Y40281.5	003	29.3	50.7
0051	Feb-15	1519	3610.4	7519.9	X26948.6	Y40868.0	305	17.0	46.4
0052	Feb-15	1727	3613.3	7508.4	X26906.7	Y40929.2	327	19.1	50.5
0053	Feb-15	1921	3618.4	7514.6	X26937.5	Y40965.2	328	18.0	48.2
0054	Feb-15	2131	3631.5	7522.6	X26986.4	Y41084.1	000	12.8	44.4
0055	Feb-15	2306	3636.5	7528.5	X27017.3	Y41124.1	034	9.0	43.3
0056	Feb-16	0041	3645.6	7523.3	X27009.1	Y41235.4	053	12.8	45.9
0057	Feb-16	0150	3646.7	7519.5	X26994.7	Y41255.7	086	13.1	47.1
0058	Feb-16	0322	3649.0	7509.0	X26953.6	Y41303.6	043	17.0	49.5
0059	Feb-16	0719	3721.0	7515.3	X27029.5	Y41642.1		17.0	41.7
0060	Feb-16	0912	3721.2	7500.8	X26963.6	Y41669.5	322	19.7	46.8
0061	Feb-16	1053	3730.9	7500.3	X26976.4	Y41777.1	355	15.6	45.7
0062	Feb-16	1348	3754.1	7501.9	X27023.2	Y42032.1	119	13.7	40.5
0063	Feb-16	1554	3758.5	7447.1	X26957.1	Y42100.5	337	16.4	45.5
0064	Feb-16	1743	3808.9	7452.8	X27004.6	Y42208.6	047	11.8	40.3
0065	Feb-16	1843	3811.4	7449.5	X26992.0	Y42239.2	064	10.9	40.6
0066	Feb-16	2241	3829.1	7410.1	X26808.2	Y42469.2	009	27.3	46.0
0067	Feb-17	0140	3836.4	7436.3	X26967.8	Y42528.1	043	17.0	40.6
0068	Feb-17	0455	3839.0	7428.6	X26929.4	Y42562.9	064	19.1	42.1
0069	Feb-17	0804	3855.8	7428.8	X26963.6	Y42746.2	090	13.4	40.5
0070	Feb-17	1415	3901.1	7332.3	X26625.7	Y42821.6	333	28.4	44.1
0071	Feb-17	1654	3913.5	7346.8	X26734.8	Y42946.1	016	22.1	42.1
0072	Feb-17	2341	3925.1	7341.4	X26717.9	Y43065.4		19.1	40.6
0073	Feb-23	2020	4116.1	7114.2	X25686.5	Y43899.6	130	20.8	37.4
0074	Feb-24	0018	4110.8	7040.2	X25369.4	Y43815.8	156	18.9	36.1
0075	Feb-24	0233	4058.0	7027.1	X25258.6	Y43712.2	183	23.8	37.6
0076	Feb-24	0418	4048.8	7032.7	X25317.8	Y43654.9	282	28.4	37.6
0077	Feb-24	0717	4053.6	7100.8	X25541.7	Y43720.9	269	31.7	39.7
0078	Feb-24	1110	4051.8	7144.8	X25919.4	Y43761.2	002	29.3	39.7
0079	Feb-24	1336	4058.6	7148.4	X25959.5	Y43818.7	222	18.3	39.2
0080	Feb-24	1544	4046.3	7201.0	X26052.6	Y43738.8	258	22.7	41.2
0081	Feb-24	1804	4046.6	7223.5	X26245.2	Y43770.0	249	17.8	39.9
0082	Feb-24	2044	4028.9	7234.4	X26310.0	Y43631.8	315	24.3	43.0
0083	Feb-24	2202	4031.2	7238.8	X26349.7	Y43657.5	241	22.4	42.8
0084	Feb-24	2321	4029.1	7244.4	X26391.9	Y43644.6	260	24.9	42.3
0085	Feb-25	0315	4017.2	7323.9	X26686.1	Y43574.8	128	18.3	38.5
0086	Feb-25	0530	4004.5	7330.2	X26708.8	Y43456.2	134	41.3	41.7
0087	Feb-25	0735	3951.7	7334.6	X26716.6	Y43331.9	196	18.9	41.4
0088	Feb-25	0849	3946.4	7336.0	X26716.9	Y43280.1	093	19.7	42.6
0089	Feb-25	1012	3947.1	7326.7	X26651.4	Y43282.9	031	19.7	42.6
0090	Feb-25	1226	3958.8	7313.4	X26572.6	Y43389.6	112	33.1	44.2
0091	Feb-25	1430	4001.1	7301.0	X26483.4	Y43403.8	105	26.5	44.6
0092	Feb-25	1714	3951.3	7236.5	X26291.2	Y43298.3	073	32.8	46.8
0093	Feb-25	1901	3953.7	7229.1	X26238.0	Y43316.0	185	33.9	45.9
0094	Feb-25	2043	3943.9	7228.6	X26230.4	Y43226.9	124	44.8	48.7
0095	Feb-25	2322	3934.1	7208.9	X26092.3	Y43132.2	033	81.2	55.9
0096	Feb-26	0213	3950.8	7156.9	X26004.0	Y43272.4	042	69.7	52.9

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
2000 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran* TD's		Course	Bottom Depth (FM)	Temp (F)
0097	Feb-26	0457	3951.6	7140.1	X25885.5	Y43270.6		169.5	54.5
0098	Feb-26	0821	3950.2	7147.3	X25936.8	Y43262.6	045	115.4	54.1
0099	Feb-26	1025	3956.9	7138.2	X25867.8	Y43314.1	265	60.1	54.1
0100	Feb-26	1254	4007.3	7155.9	X25993.2	Y43412.8	341	41.8	46.9
0101	Feb-26	1458	4021.1	7152.5	X25967.2	Y43524.6	028	37.7	46.9
0102	Feb-26	1641	4028.7	7146.7	X25921.8	Y43581.1	062	37.5	43.7
0103	Feb-26	1908	4036.5	7126.9	X25761.4	Y43621.7	157	35.3	43.5
0104	Feb-26	2113	4023.7	7118.8	X25703.3	Y43514.6	158	43.2	46.2
0105	Feb-26	2257	4018.4	7125.9	X25761.8	Y43479.3	130	44.0	47.3
0106	Feb-27	0103	4010.9	7112.6	X25671.7	Y43409.4	041	61.8	54.9
0107	Feb-27	0343	4006.1	7049.8	X25526.9	Y43356.6	112	74.4	55.8
0108	Feb-27	0557	4013.0	7045.6	X25485.1	Y43406.0	350	65.6	57.0
0109	Feb-27	0801	4025.3	7056.0	X25531.6	Y43507.0	276	45.7	48.0
0110	Feb-27	0952	4032.7	7058.7	X25540.6	Y43564.6	159	40.7	41.0
0111	Feb-27	1136	4029.2	7048.6	X25471.7	Y43529.4	107	41.8	41.5
0112	Feb-27	1314	4023.1	7040.8	X25430.8	Y43477.6	137	47.8	51.8
0113	Feb-27	1458	4024.0	7032.0	X25372.2	Y43476.8	331	43.5	51.8
0114	Feb-27	1654	4028.9	7028.5	X25337.1	Y43509.1	088	37.7	43.3
0115	Feb-27	1914	4026.3	7007.2	X25226.2	Y43473.8	111	39.4	43.5
0116	Feb-27	2134	4018.8	6949.2	W14114.6	Y43408.2	152	43.5	43.0
0117	Feb-27	2251	4013.9	6949.5	W14131.7	Y43375.2	275	47.8	46.0
0118	Feb-28	0042	4014.8	7003.1	X25245.8	Y43389.9	242	51.4	45.1
0119	Feb-28	0313	4008.3	7011.7	X25306.3	Y43349.1	124	66.2	54.5
0120	Feb-28	0549	3958.5	6953.2	W14198.0	Y43269.3	075	78.5	56.7
0121	Feb-28	0734	4001.3	6942.5	W14136.2	Y43283.7	048	65.3	56.8
0122	Feb-28	1110	4016.2	6914.8	W13950.2	Y43368.8	115	48.7	42.4
0123	Feb-28	1430	4007.8	6855.2	W13884.0	Y43304.0	066	84.2	55.4
0124	Feb-28	1712	4024.2	6848.1	W13792.2	Y43404.6	104	46.2	52.0
0125	Feb-28	2005	4024.0	6828.7	W13701.9	Y43391.5	065	54.1	54.3
0126	Feb-28	2211	4032.0	6819.0	W13626.6	Y43434.0	032	51.7	40.5
0127	Feb-29	0018	4031.1	6808.6	W13582.4	Y43422.7	034	58.5	53.4
0128	Feb-29	0227	4026.8	6806.7	W13590.6	Y43396.1	170	79.3	55.4
0129	Feb-29	0626	4026.1	6806.0	W13590.4	Y43391.1	157	79.0	55.2
0130	Feb-29	0940	4023.4	6804.1	W13592.0	Y43374.4	326	77.6	55.2

* Loran readings are computer generated from recorded latitude and longitude.

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
ALBATROSS IV Feb 9 - Mar 1, 2000
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
0001	0	0	3	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	6	0	0	5	18
0002	0	0	11	0	8	0	0	0	0	11	0	122	0	0	1	0	0	31	0	0	0	10	0	54	123	371
0003	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	9	0	0	0	6	0	56	217	313
0004	6	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	10	0	0	0	11	0	4	89	130
0005	1156	0	83	0	2	0	0	0	0	4	0	26	0	0	0	0	0	0	0	0	1	0	0	56	111	1439
0006	188	0	230	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	0	5	8	436
0007	1355	0	380	0	1	0	0	0	0	0	0	9	0	0	4	0	0	1	0	0	0	22	0	57	220	2049
0008	7	0	15	0	0	0	0	0	0	0	0	11	0	0	2	0	0	20	0	0	0	22	0	21	228	326
0009	714	0	202	0	1	0	0	0	0	0	0	11	0	0	0	0	0	22	0	0	0	7	0	61	335	1353
0010	3259	0	175	0	1	0	0	0	0	0	0	54	0	0	1	0	0	5	0	0	2	8	0	53	169	3727
0011	1548	0	50	0	0	0	0	0	0	0	0	53	0	0	0	0	0	248	0	0	0	0	0	20	17	1936
0012	493	0	34	0	1	0	0	0	0	0	0	169	0	0	0	0	0	10	0	0	0	5	0	7	338	1057
0013	25	0	7	0	1	0	0	0	0	0	0	61	0	0	6	0	0	4	0	0	0	9	0	48	88	249
0014	18	0	7	0	0	0	0	0	0	0	0	41	0	0	1	0	0	4	0	0	0	5	0	25	128	229
0015	45	0	3	0	19	0	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	30	0	9	256	408
0016	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	19	0	92	285	398
0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
0018	960	0	1	0	0	0	0	3	0	0	0	38	0	0	5	0	0	2	0	0	0	42	0	67	151	1269
0019	89	0	61	0	0	0	0	0	0	0	0	70	0	0	2	0	0	0	0	0	0	18	0	38	79	357
0020	1393	0	339	0	0	0	0	0	0	0	0	24	0	0	0	0	1	1	0	0	7	3	0	35	46	1849
0021	193	0	127	0	0	0	0	0	0	0	0	110	0	0	7	0	0	2	0	0	0	5	0	65	53	562
0022	449	0	2	0	4	0	0	0	0	0	0	42	0	0	11	0	0	13	0	0	0	4	0	150	98	773
0023	490	0	0	0	4	0	0	0	0	0	0	61	0	0	1	0	0	21	0	0	0	17	0	80	169	843
0024	16	0	42	0	0	0	0	0	0	0	0	115	0	0	1	0	0	0	0	0	0	4	0	9	106	293
0025	323	0	246	0	0	0	0	0	0	0	0	91	0	0	0	0	0	0	0	0	0	5	0	15	32	712
0026	1160	0	206	0	0	0	0	0	0	0	0	31	0	0	1	0	0	2	0	0	0	1	0	12	37	1450
0027	467	0	4	0	0	0	0	0	0	0	0	24	0	0	0	0	0	2	0	0	0	9	0	21	103	630
0028	331	0	0	0	0	0	0	0	0	0	0	26	0	0	4	0	0	0	0	0	0	18	0	12	50	441
0029	21	0	21	0	0	0	0	0	0	0	0	16	0	0	1	0	0	0	0	0	0	8	0	11	139	217
0030	0	0	3	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	5	0	17	305	340
0031	28	0	0	0	2	0	0	0	0	0	0	57	0	0	22	0	0	43	0	0	0	91	0	43	545	831

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
ALBATROSS IV Feb 9 - Mar 1, 2000
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
0032	2	0	40	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	8	0	16	94	182
0033	11	0	35	0	0	0	0	0	0	0	0	139	0	0	0	0	0	0	0	0	0	9	0	24	280	498
0034	207	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	7	0	0	0	0	0	15	302	557
0035	220	0	0	0	6	0	0	0	0	0	0	93	0	0	0	0	0	0	0	0	0	13	0	50	274	656
0036	50	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	13	0	26	98	189
0037	20	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	9	0	10	236	286
0038	42	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	13	204	268
0039	55	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	20	0	33	295	407
0040	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
0041	22	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	4	0	0	0	24	0	87	529	683
0042	789	0	0	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	41	759	1622
0043	2148	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	4	0	53	345	2574
0044	160	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	3	0	0	0	4	0	52	246	482
0045	553	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	5	166	780
0046	345	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	50	1890	2287
0047	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6	0	7	2934	2989
0048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0	0	0	0	0	81	111	388
0049	11	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	11	0	75	493	595
0050	12	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	299	314
0051	325	0	4	0	0	0	0	0	0	0	0	35	0	0	0	8	0	0	0	0	0	12	0	26	69	479
0052	681	0	1	0	0	0	0	0	0	0	0	76	0	0	0	0	0	164	0	0	0	0	0	253	92	1267
0053	357	0	1	0	0	0	0	0	0	0	0	60	0	0	0	1	0	4	0	0	0	13	0	36	78	550
0054	322	0	9	0	0	0	0	0	0	0	0	14	0	0	0	12	0	0	0	0	0	0	0	3	88	448
0055	90	5	1	0	0	0	0	0	0	0	0	7	0	0	0	12	22	0	0	0	0	0	0	3	34	174
0056	144	17	3	0	0	0	0	0	0	0	0	7	0	0	0	12	0	0	0	0	0	0	0	12	81	276
0057	364	15	19	0	0	0	0	0	0	0	0	14	0	0	0	7	0	1	0	0	0	0	0	16	162	598
0058	387	0	76	0	0	0	0	0	0	0	0	38	0	0	0	2	0	1	0	0	0	0	0	49	368	921
0059	27	0	36	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	6	77
0060	1147	18	63	0	0	0	0	0	0	0	0	45	0	0	0	8	0	3	0	0	0	13	0	6	230	1533
0061	304	10	32	0	0	0	0	0	0	0	0	29	0	0	0	2	0	0	0	0	0	0	0	2	27	406
0062	31	4	47	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	19	107
0063	276	22	91	0	0	0	0	0	0	0	0	7	0	0	0	12	0	0	0	0	0	0	0	4	10	422

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
ALBATROSS IV Feb 9 - Mar 1, 2000
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
0064	28	11	99	2	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	3	152
0065	28	4	30	4	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	7	77
0066	529	0	202	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	1	0	22	15	805
0067	85	51	194	0	0	0	0	0	0	0	0	2	0	0	0	41	0	0	0	0	0	0	0	0	10	383
0068	274	0	430	56	0	0	0	0	0	0	0	4	0	0	0	22	1	0	0	0	0	0	0	0	31	818
0069	81	28	72	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	26	226
0070	350	0	73	0	0	0	0	0	0	0	0	7	2	0	0	2	4	0	0	0	5	0	0	5	20	468
0071	261	0	215	6	1	0	0	0	0	0	0	16	0	1	0	31	21	0	0	0	9	0	0	1	12	574
0072	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	0
0073	0	47	283	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	16	0	4	362
0074	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	15
0075	0	11	155	56	0	0	0	0	0	1	0	0	0	2	0	1	0	0	0	5	0	0	0	0	6	237
0076	0	55	400	78	0	0	0	0	0	1	0	0	1	0	0	5	0	0	0	12	0	0	1	0	9	562
0077	5	91	441	14	4	0	0	0	0	5	0	16	39	12	0	51	0	0	0	102	149	2	0	0	18	949
0078	1	11	205	5	3	0	0	0	0	2	0	0	29	37	0	0	1	0	0	39	95	12	9	0	70	519
0079	0	56	116	5	0	0	0	0	0	0	0	0	10	53	0	10	0	0	0	12	0	0	0	0	19	281
0080	29	121	102	0	0	2	0	0	0	0	0	2	46	13	0	18	3	0	0	8	242	1	0	0	5	592
0081	0	48	193	24	0	0	0	0	0	0	0	0	8	8	0	23	0	0	0	1	14	0	0	0	6	325
0082	129	99	540	48	0	0	0	0	0	0	0	2	50	15	0	8	2	0	0	0	12	6	0	5	2	918
0083	38	15	222	6	0	0	0	0	0	0	0	4	8	1	0	3	0	0	0	0	2	2	0	2	3	306
0084	72	38	1120	90	7	0	0	0	0	2	0	1	39	27	0	6	7	0	0	0	101	16	0	3	25	1554
0085	0	45	64	9	0	0	0	0	0	0	0	0	4	3	0	3	0	0	0	0	23	0	0	0	1	152
0086	45	2	29	1	2	0	0	0	0	13	0	4	1	1	14	0	0	0	0	0	0	33	0	0	50	195
0087	20	0	123	0	1	0	0	0	0	0	0	1	7	2	0	2	0	0	0	0	78	0	0	0	5	239
0088	31	0	104	0	0	0	0	0	0	0	0	0	13	1	0	4	0	0	0	0	60	0	0	0	0	213
0089	80	0	141	0	0	0	0	0	0	0	0	0	8	4	0	4	0	0	0	0	11	7	0	0	3	258
0090	307	0	439	0	7	0	0	0	0	32	0	27	17	7	1	0	0	0	0	0	147	7	1	1	74	1067
0091	1922	0	213	0	0	0	0	0	0	0	0	7	39	2	0	1	0	0	0	0	22	5	0	2	25	2238
0092	2152	0	79	0	2	0	0	0	0	0	0	26	1	0	0	0	1	1	0	0	1	0	0	78	26	2367
0093	1504	0	105	0	7	0	0	0	0	0	0	7	0	0	1	0	1	0	0	0	0	0	0	23	85	1733
0094	783	0	108	0	0	0	0	0	0	4	0	269	0	0	5	0	0	111	0	0	0	32	0	47	93	1452
0095	6	0	2	0	1	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	5	0	104	25	146

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ALBATROSS IV Feb 9 - Mar 1, 2000
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

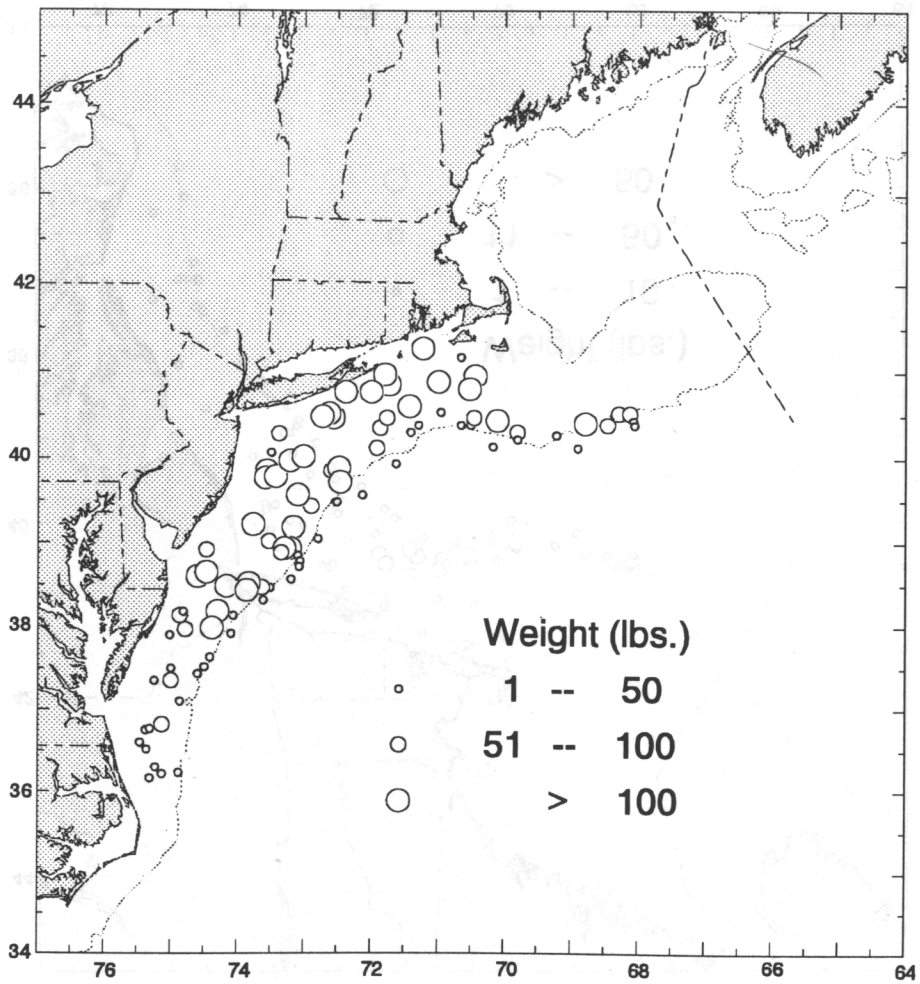
	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
0096	2	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	112	0	0	0	18	0	6	7	158
0097	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	0
0098	0	0	0	0	3	0	0	0	0	6	0	0	0	0	4	0	4	0	0	0	0	27	0	56	28	128
0099	2	0	4	0	5	0	0	0	0	20	0	111	0	0	1	0	0	2	0	0	0	26	0	73	13	257
0100	199	0	94	0	4	0	0	0	0	2	0	74	0	0	2	0	0	3	0	0	2	16	1	85	66	548
0101	970	0	80	0	15	0	0	0	0	2	0	45	0	0	5	0	0	10	0	0	4	26	0	46	58	1261
0102	1069	0	88	0	15	0	0	0	0	4	0	49	0	0	6	0	0	1	0	0	6	14	0	40	59	1351
0103	96	6	146	82	27	0	0	0	0	1	0	6	1	0	4	0	17	0	0	0	4	22	0	5	56	473
0104	725	0	19	1	16	0	0	0	0	4	0	2	0	0	0	0	3	0	0	0	0	22	0	39	30	861
0105	92	0	7	0	11	0	0	0	0	6	0	24	0	0	1	0	0	1	0	0	0	79	0	33	28	282
0106	15	0	0	0	3	0	0	0	0	2	0	83	0	0	0	0	0	2	0	0	0	10	0	17	16	148
0107	72	0	0	0	0	0	0	0	0	3	0	39	0	0	0	0	0	457	0	0	0	50	0	32	27	680
0108	35	0	0	0	4	0	0	0	7	11	0	86	0	0	1	0	0	11	0	0	0	23	2	26	40	246
0109	2391	0	0	0	29	0	0	0	2	39	0	39	0	0	0	0	0	8	0	0	0	60	4	20	79	2671
0110	57	0	3	5	12	0	0	0	0	8	0	13	0	0	1	0	0	0	0	0	7	26	2	4	32	170
0111	48	0	0	0	10	0	0	0	0	5	0	18	0	0	1	2	0	0	0	0	8	41	9	2	91	235
0112	63	0	7	0	52	0	0	0	2	80	0	27	0	0	3	0	1	3	0	0	0	52	0	19	85	394
0113	49	0	3	0	48	0	0	0	6	85	0	24	1	0	4	9	0	0	0	0	6	69	10	13	132	459
0114	29	231	96	5	2	0	0	0	0	3	0	0	52	2	6	76	35	0	0	6	6	14	2	1	59	725
0115	13	511	305	1	0	2	0	0	0	0	0	0	4	0	2	23	1	0	0	1	1	14	0	1	51	930
0116	15	33	73	0	10	0	0	0	0	2	0	19	0	0	5	1	0	0	0	0	1	15	0	0	231	405
0117	36	0	20	0	36	0	0	0	0	1	0	14	0	0	1	0	1	0	0	0	0	82	0	0	29	220
0118	5714	0	0	0	32	0	0	0	5	4	0	20	0	0	2	0	0	0	0	0	0	41	0	0	34	5852
0119	13	0	11	0	3	0	0	0	0	0	0	166	0	0	2	0	0	203	0	0	0	31	0	6	20	455
0120	1	0	0	0	2	0	0	0	0	0	0	9	0	0	1	0	0	5	0	0	0	10	0	32	26	86
0121	24	0	0	0	4	0	0	0	2	0	0	91	0	0	1	0	0	37	0	0	0	2	0	48	85	294
0122	22	45	25	0	6	0	0	0	0	0	0	88	0	1	13	0	0	27	0	0	13	9	0	0	20	269
0123	13	0	2	0	8	0	0	0	0	26	0	178	0	0	29	0	0	94	0	0	5	31	0	130	180	696
0124	677	59	102	0	2	0	0	4	1	5	1	58	1	1	5	14	0	1	0	1	96	6	0	1	72	1107
0125	43	31	70	1	1	0	0	0	1	5	0	14	0	0	1	4	0	0	0	0	0	41	0	0	93	305
0126	26	20	75	91	0	0	1	0	0	3	2	0	1	0	7	9	0	0	0	0	1	27	0	0	16	279
0127	775	153	69	0	1	0	0	0	0	19	2	28	1	0	7	0	0	0	0	0	6	5	0	3	87	1156

NMFS-NEFSC WINTER BOTTOM TRAWL SURVEY
ALBATROSS IV Feb 9 - Mar 1, 2000
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

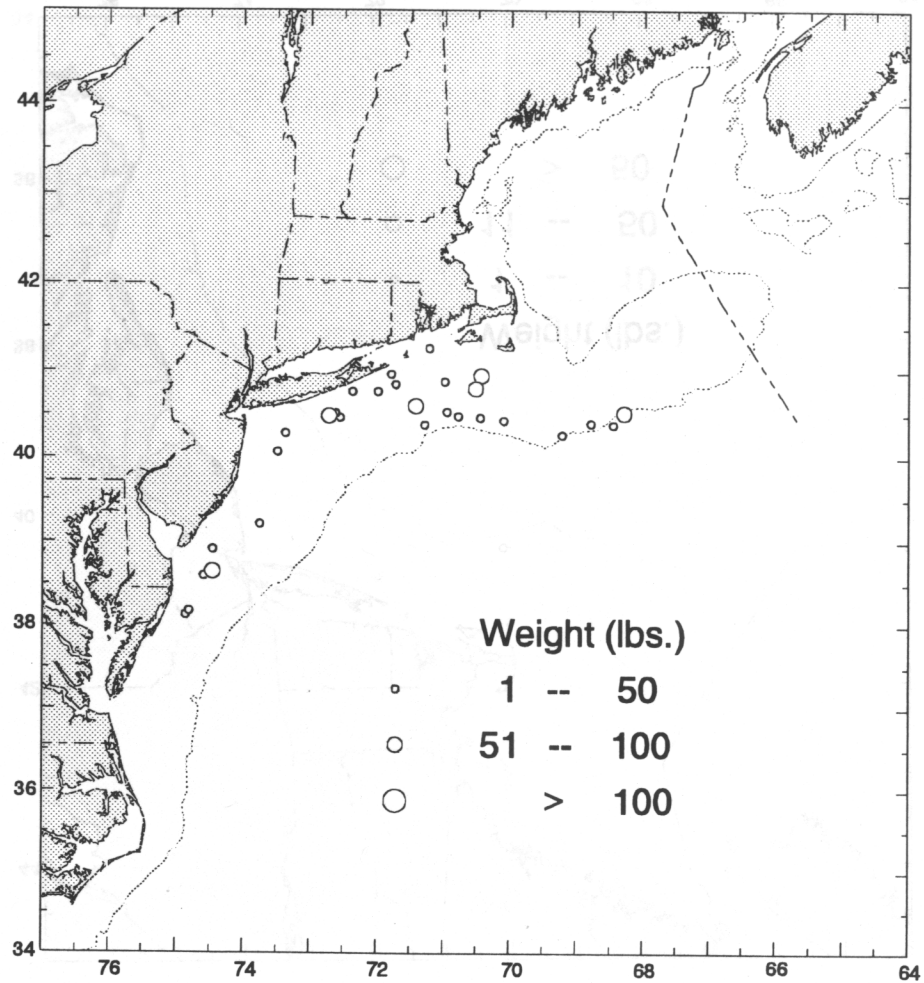
	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
0128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12
0129	0	0	10	0	19	0	0	0	0	2	0	16	0	0	19	0	0	37	0	0	4	4	0	16	79	206
0130	0	0	3	0	4	0	0	0	0	0	0	29	0	0	4	0	0	37	0	0	1	19	0	4	19	120
TOTAL	45923	1913	10534	599	476	4	1	7	26	423	5	3867	383	193	276	489	130	1999	0	188	1153	1664	57	3244	18020	91674

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

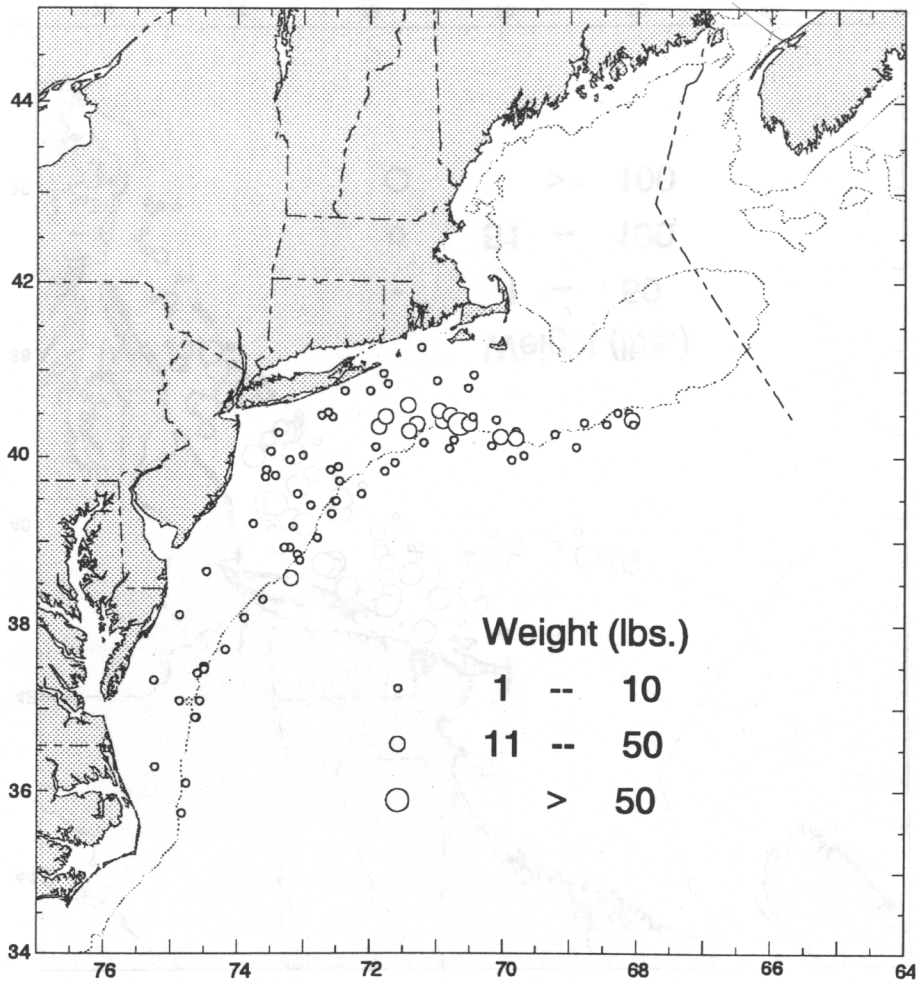
LITTLE SKATE
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



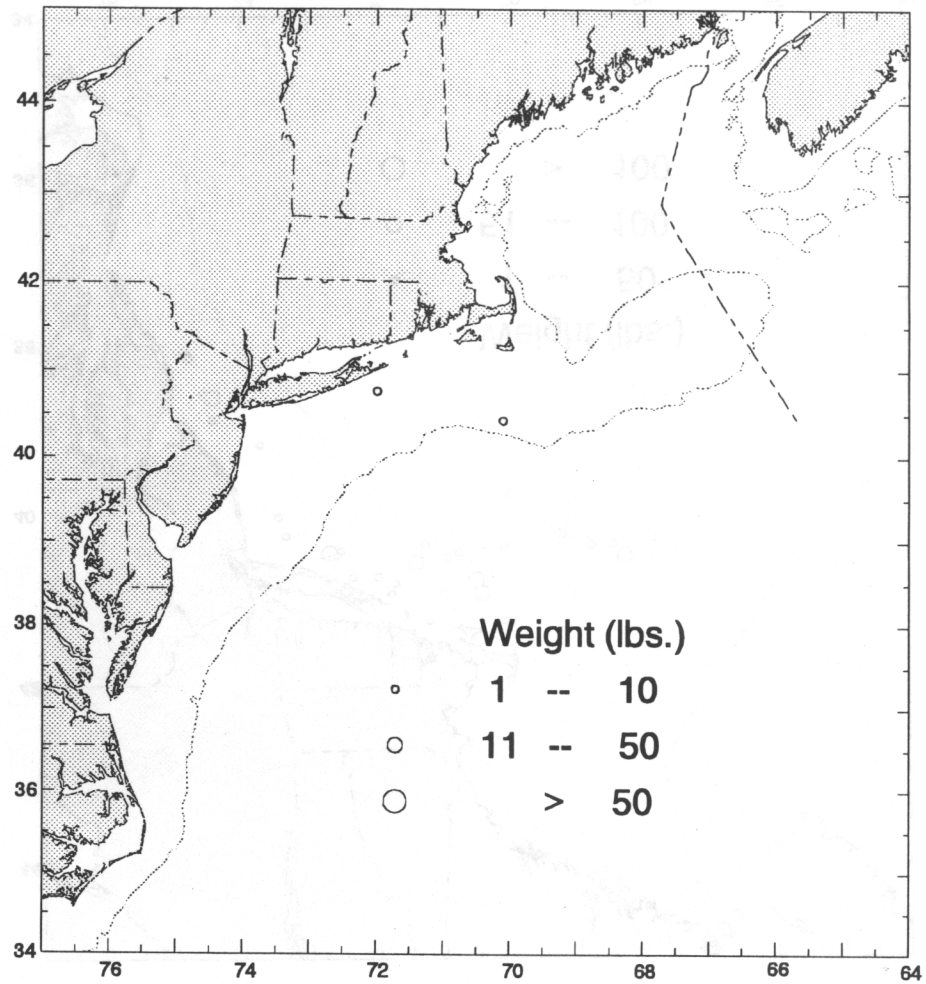
ATLANTIC HERRING
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



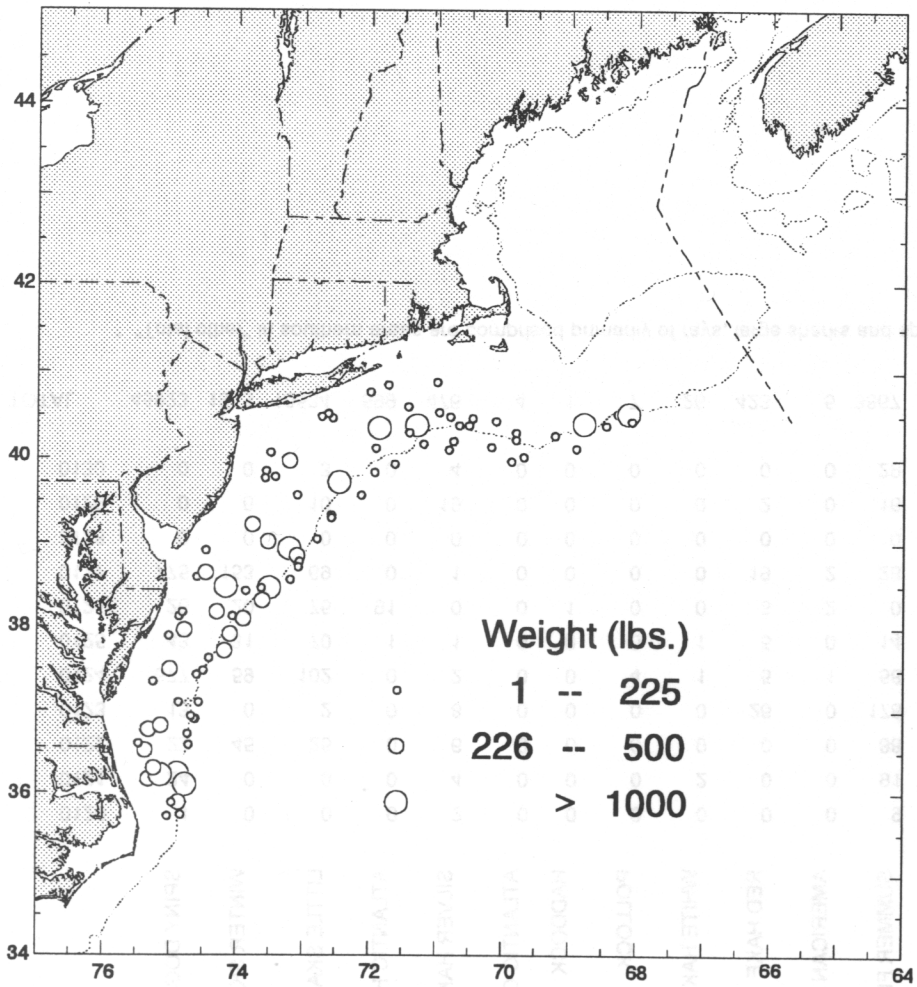
SILVER HAKE
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



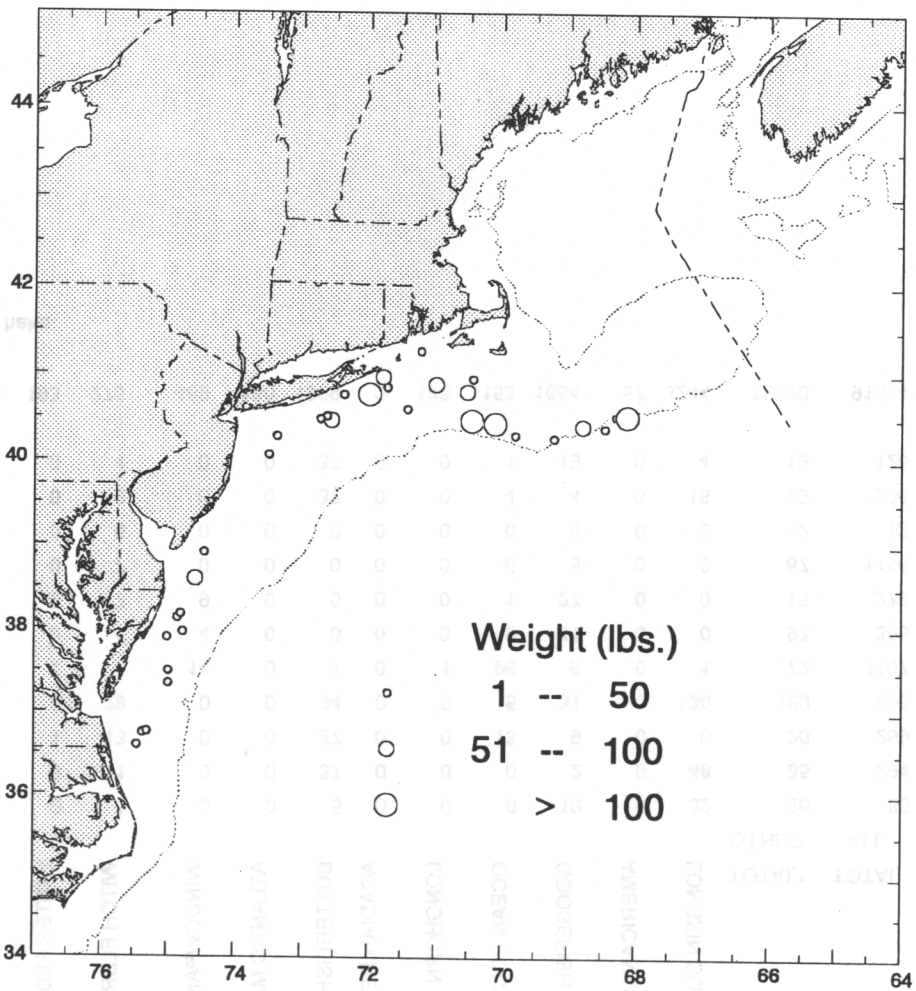
ATLANTIC COD
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



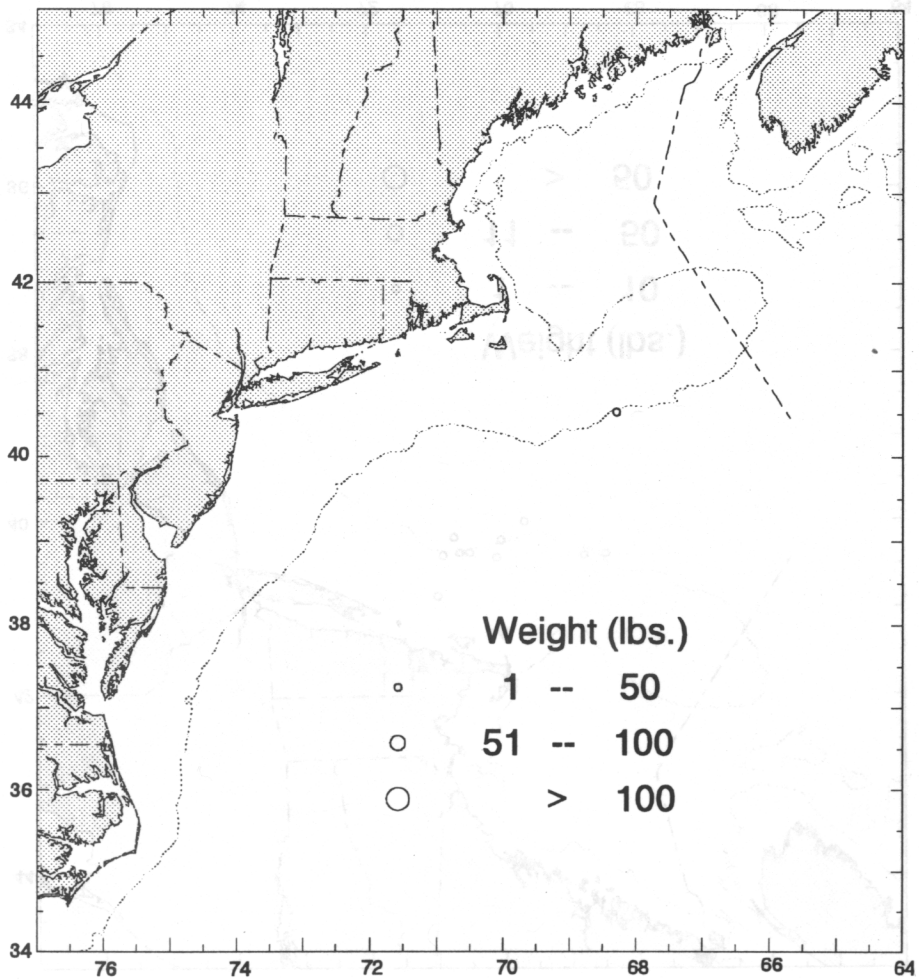
SPINY DOGFISH
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



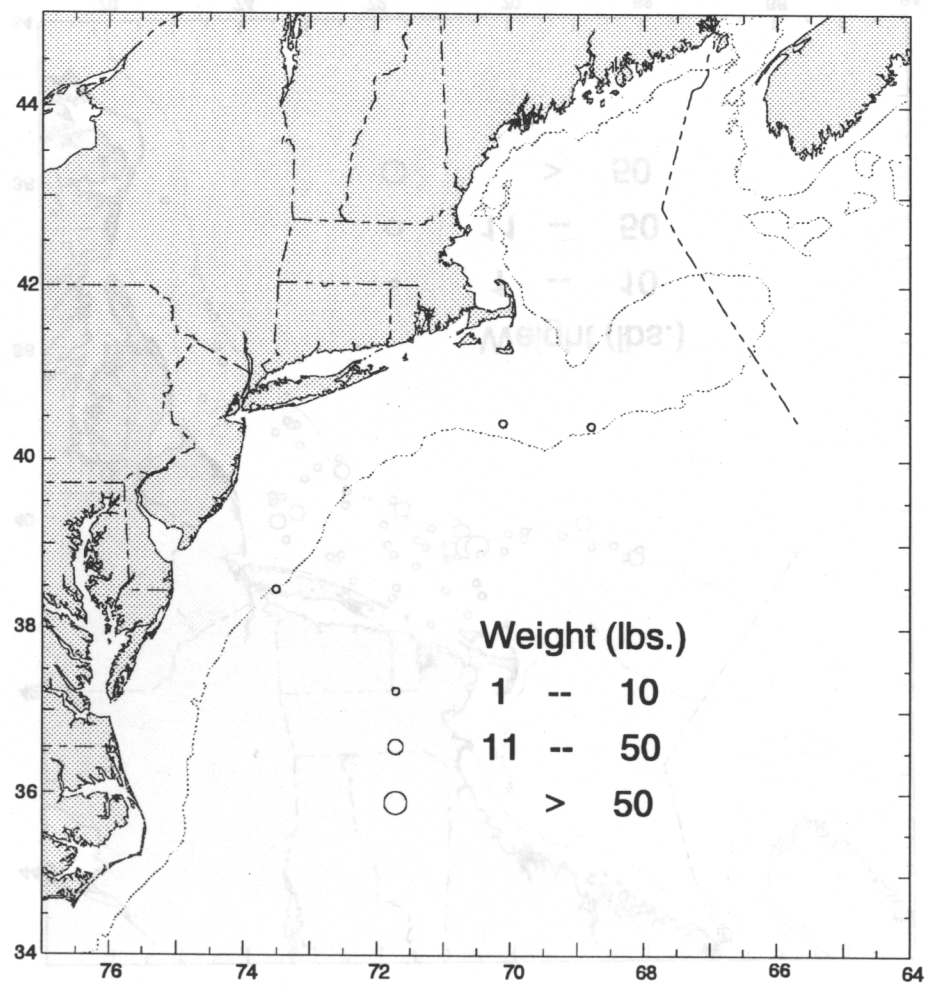
WINTER SKATE
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



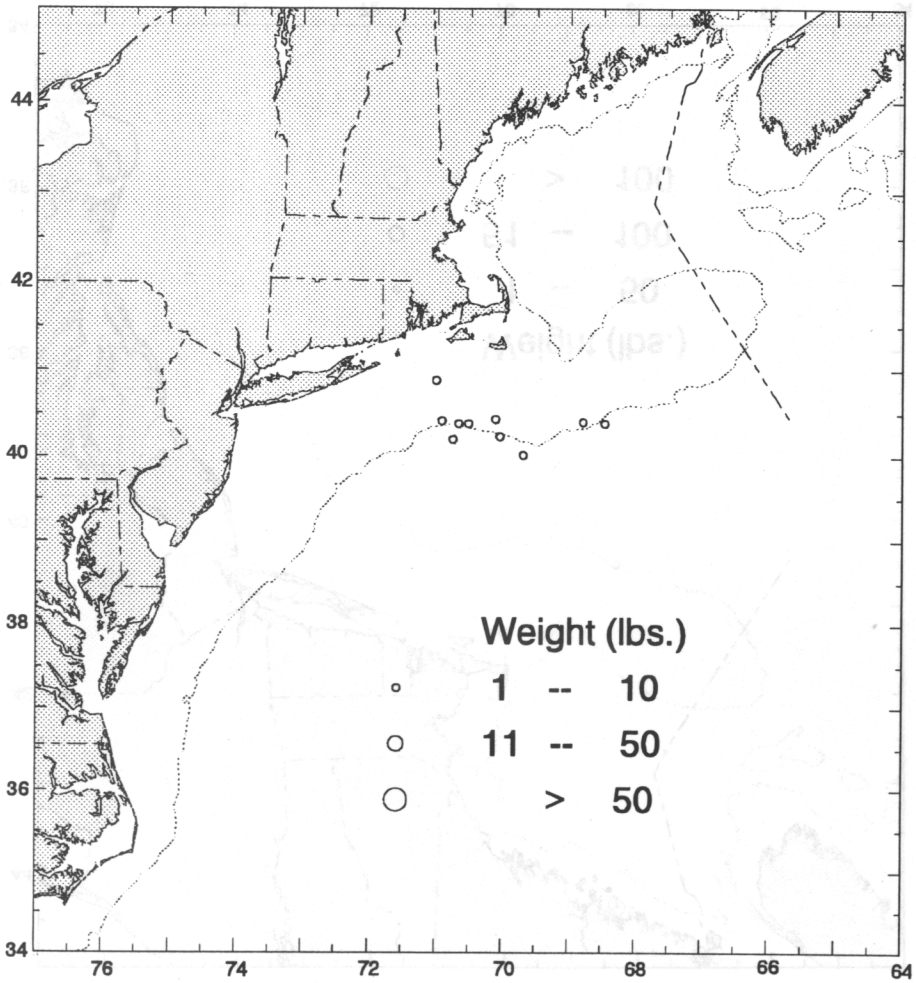
HADDOCK
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



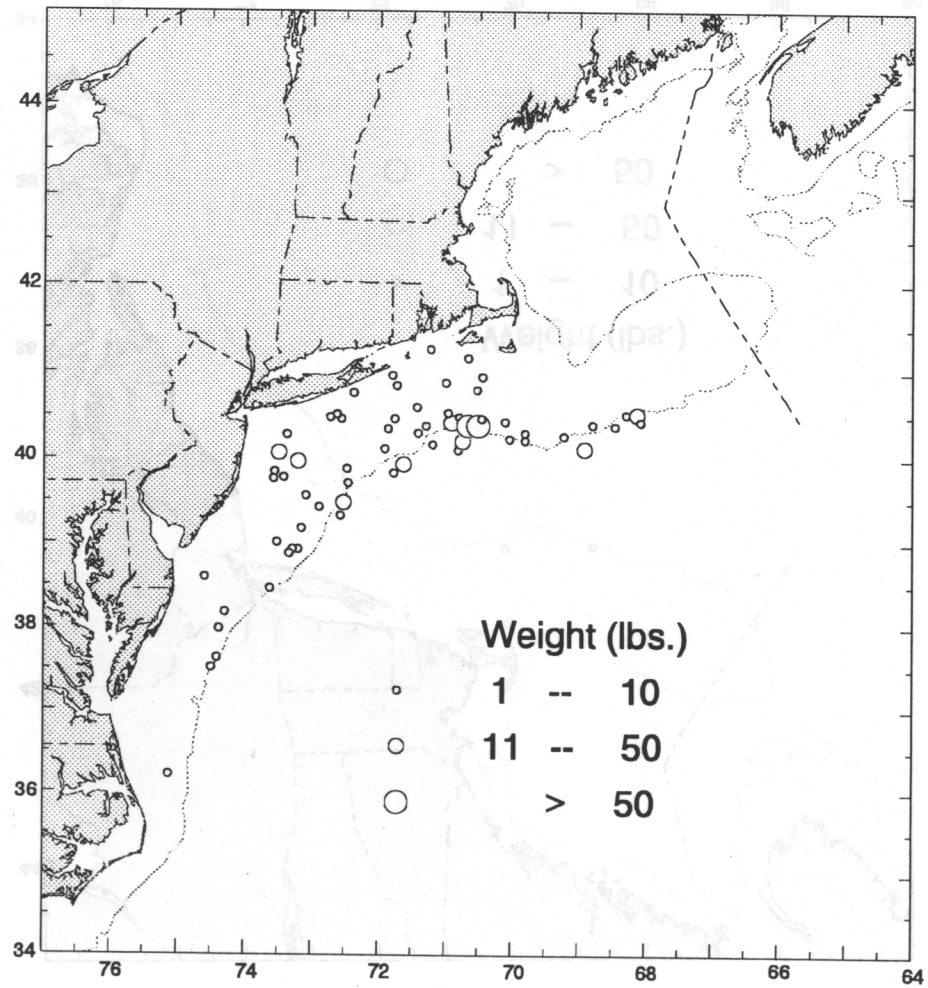
POLLOCK
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



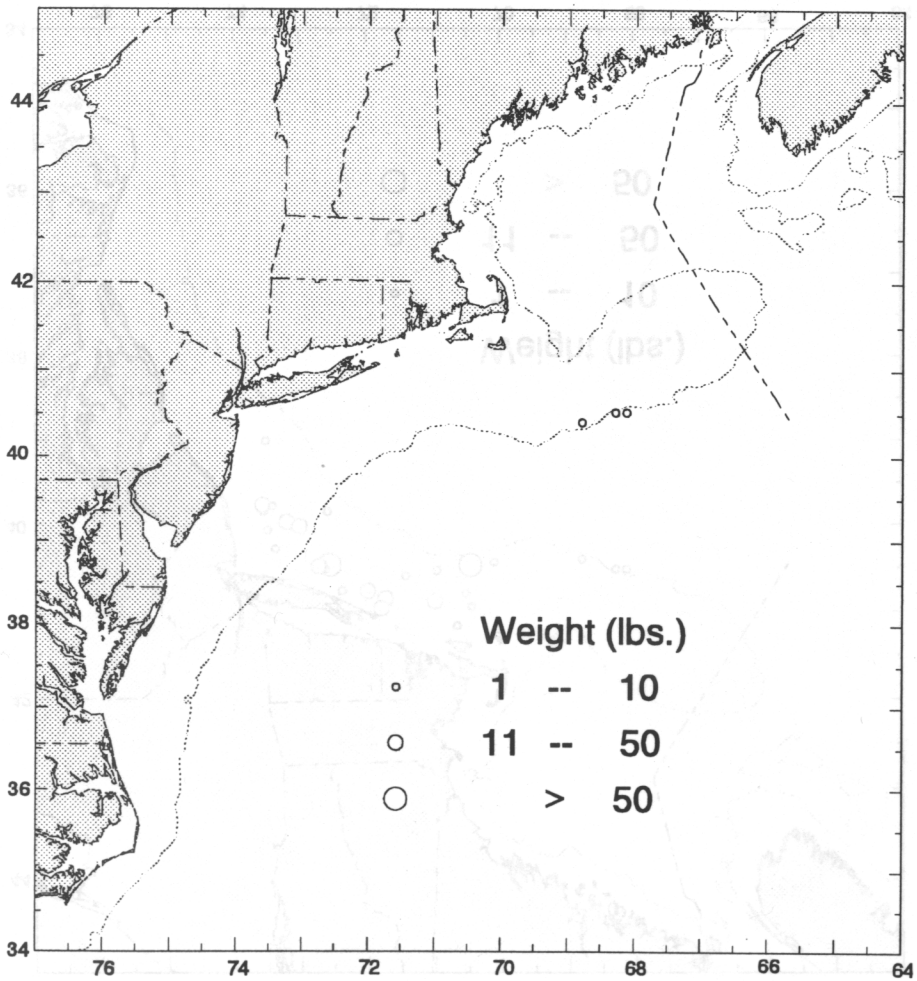
WHITE HAKE
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



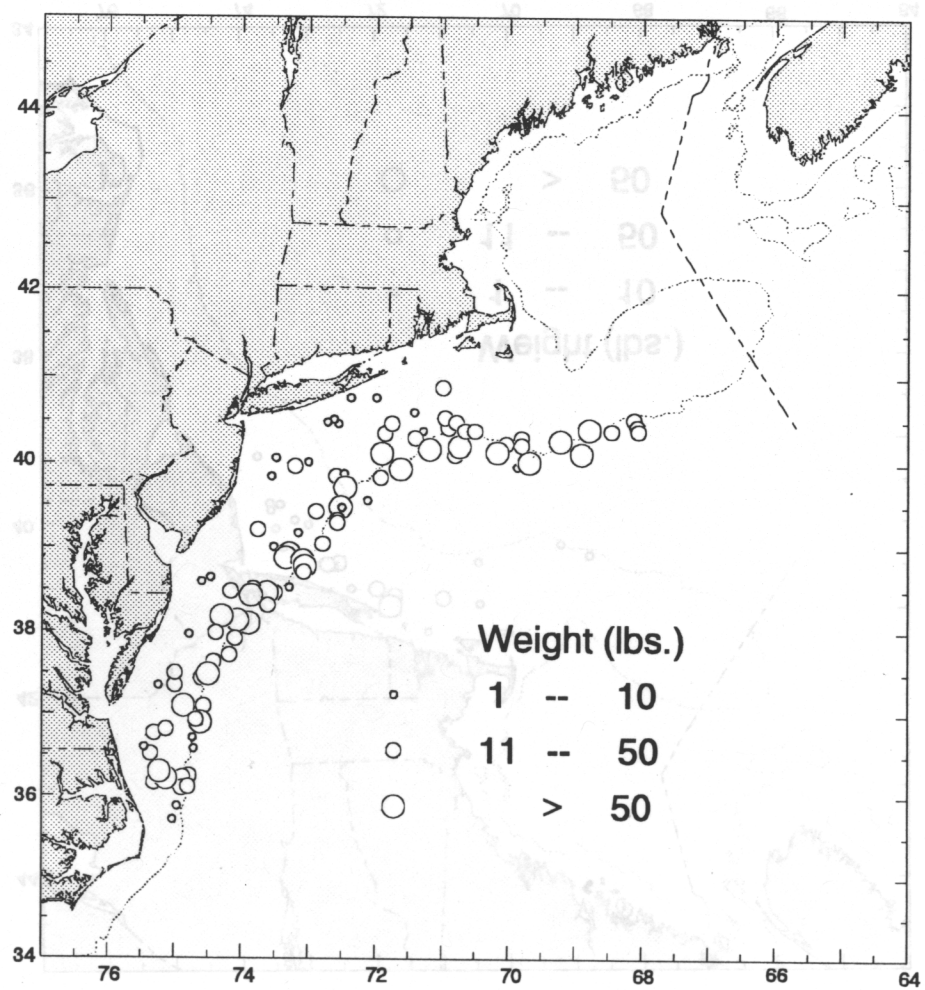
RED HAKE
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



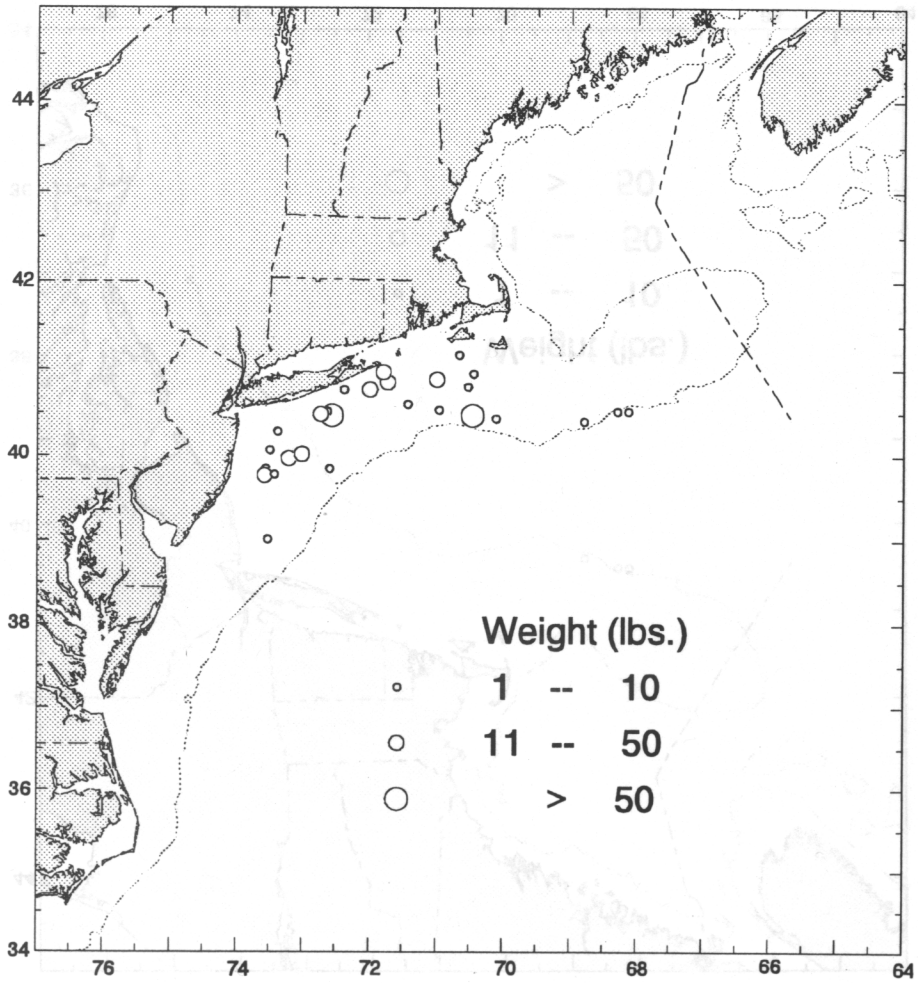
AMERICAN PLAICE
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



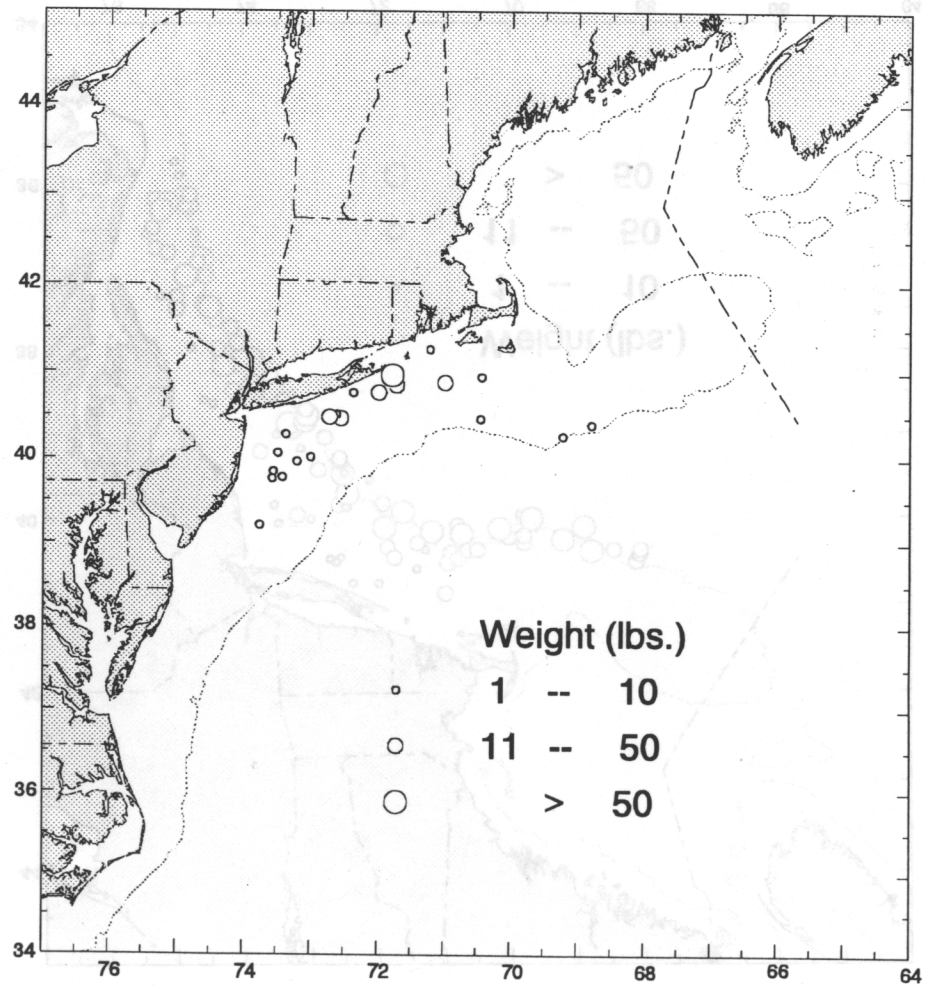
SUMMER FLOUNDER
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



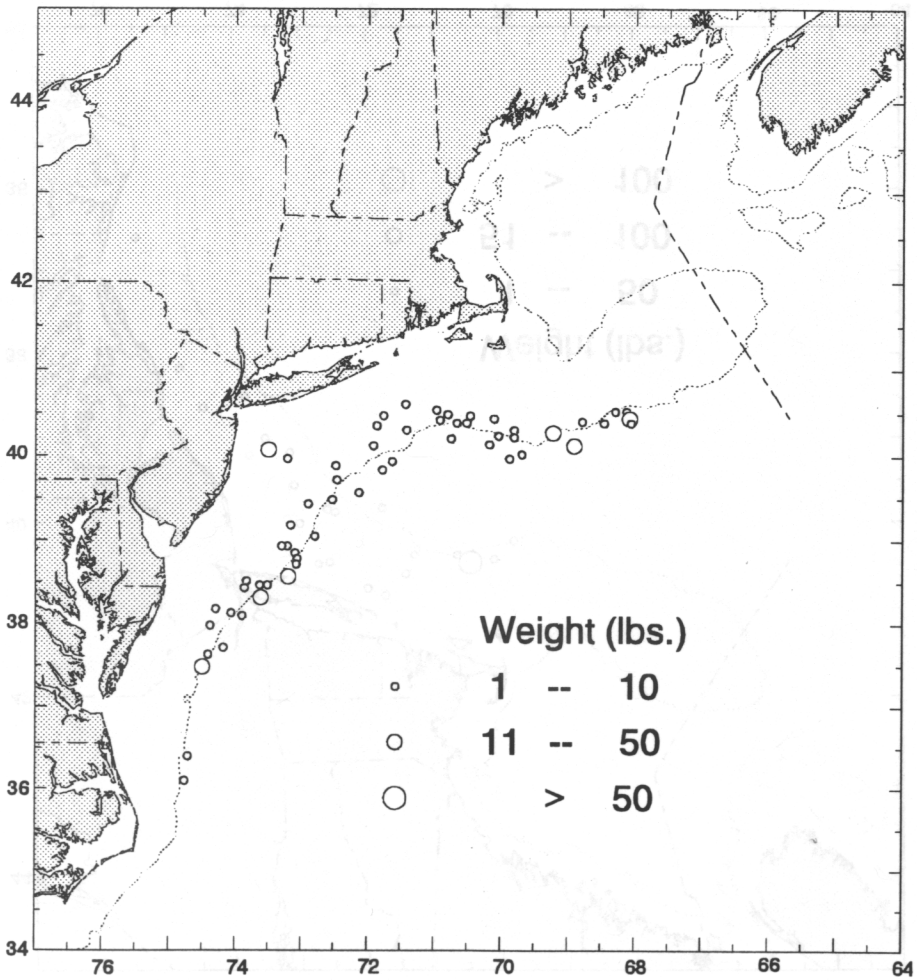
YELLOWTAIL FLOUNDER
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



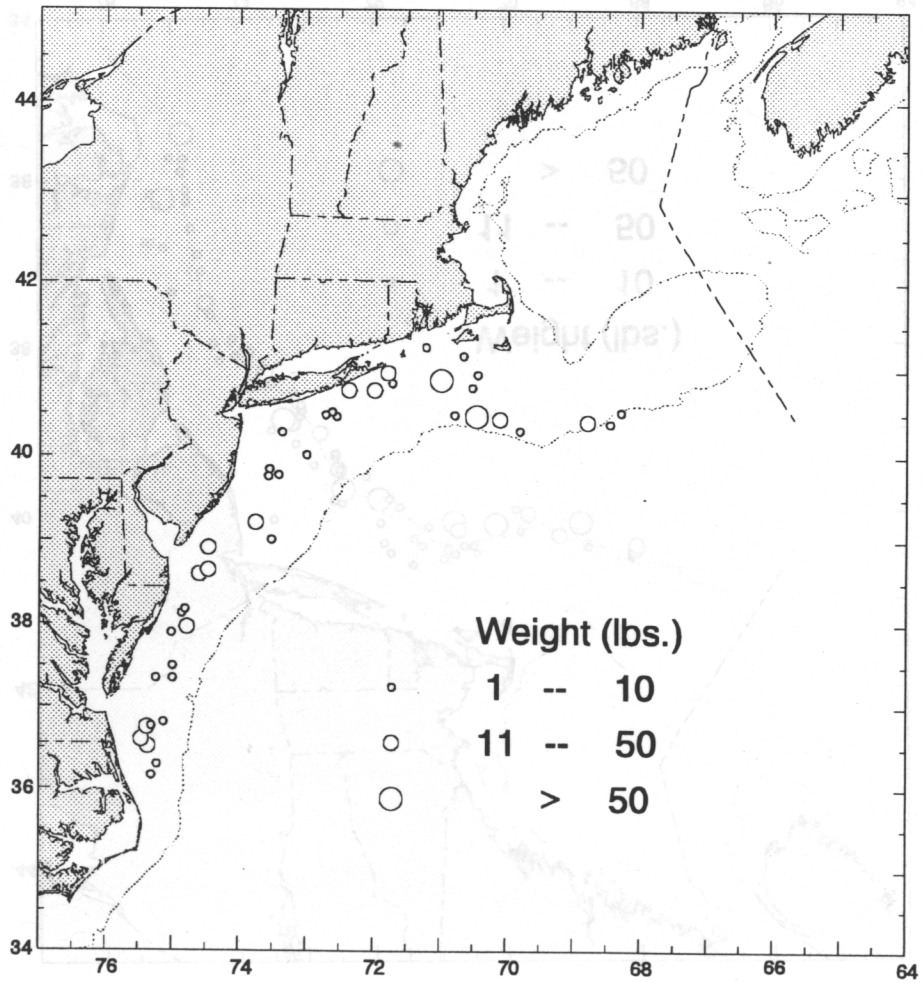
WINTER FLOUNDER
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



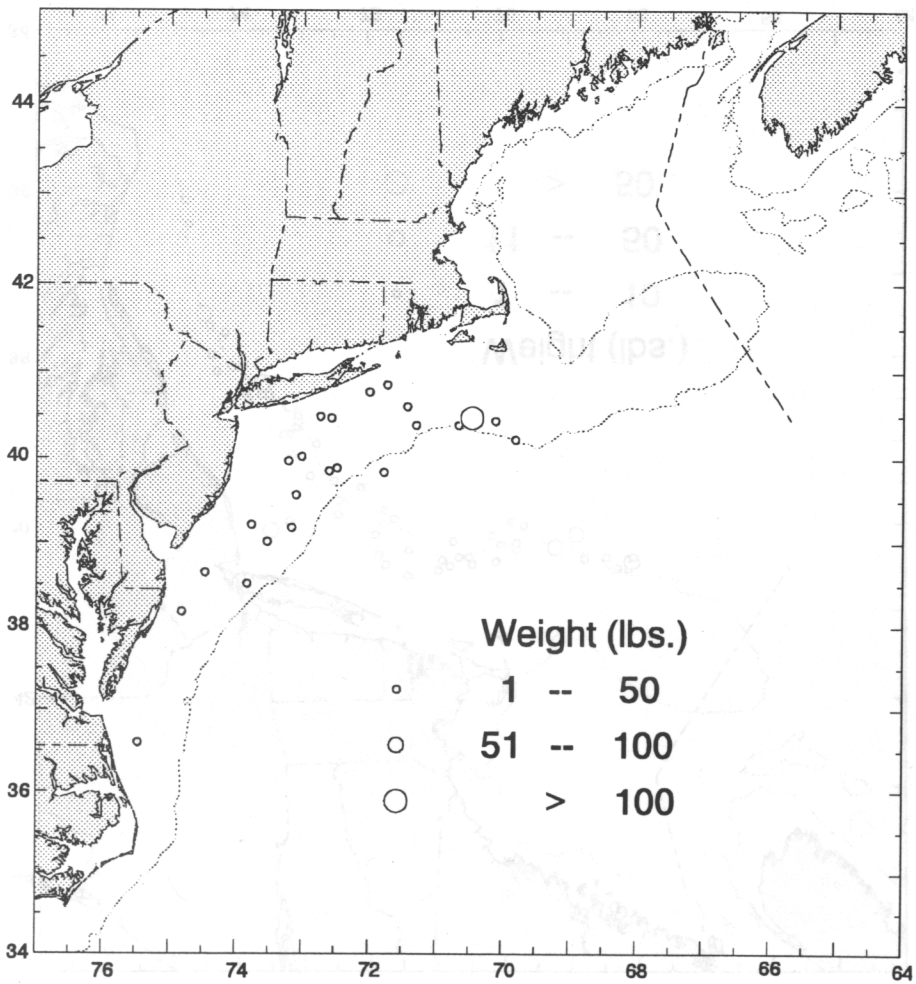
WITCH FLOUNDER
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



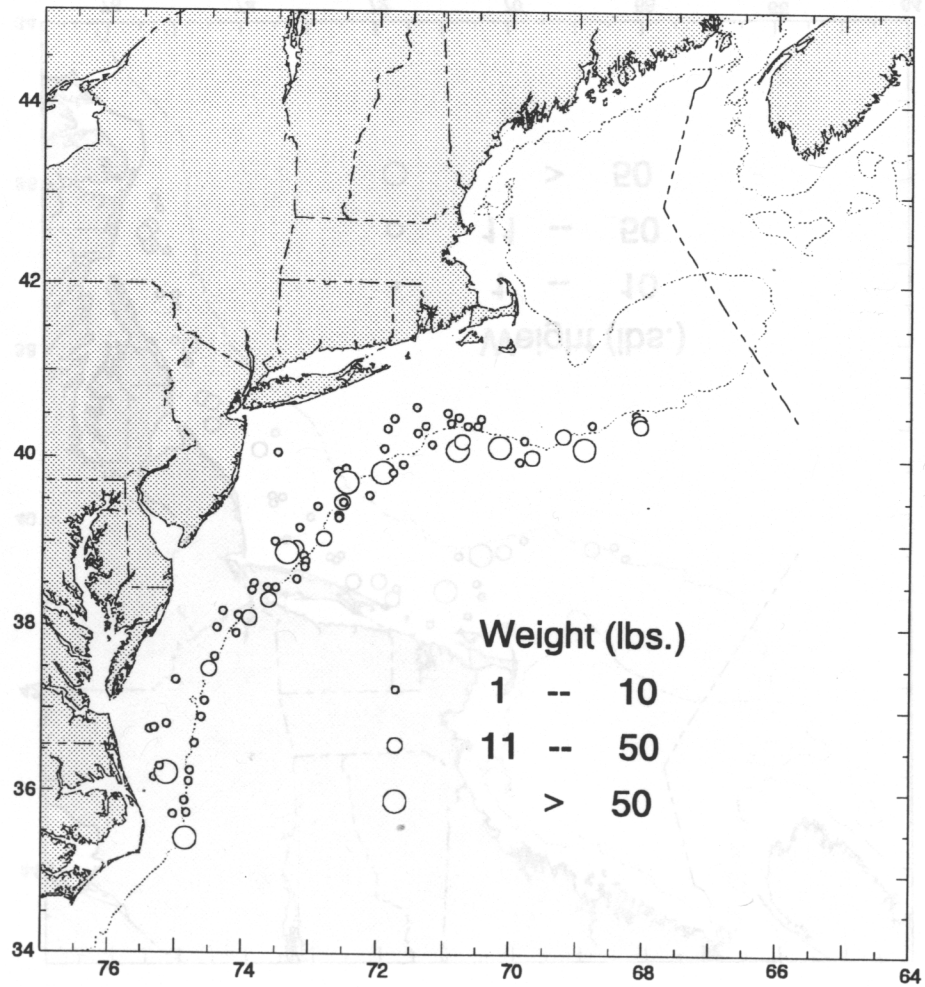
WINDOWPANE FLOUNDER
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



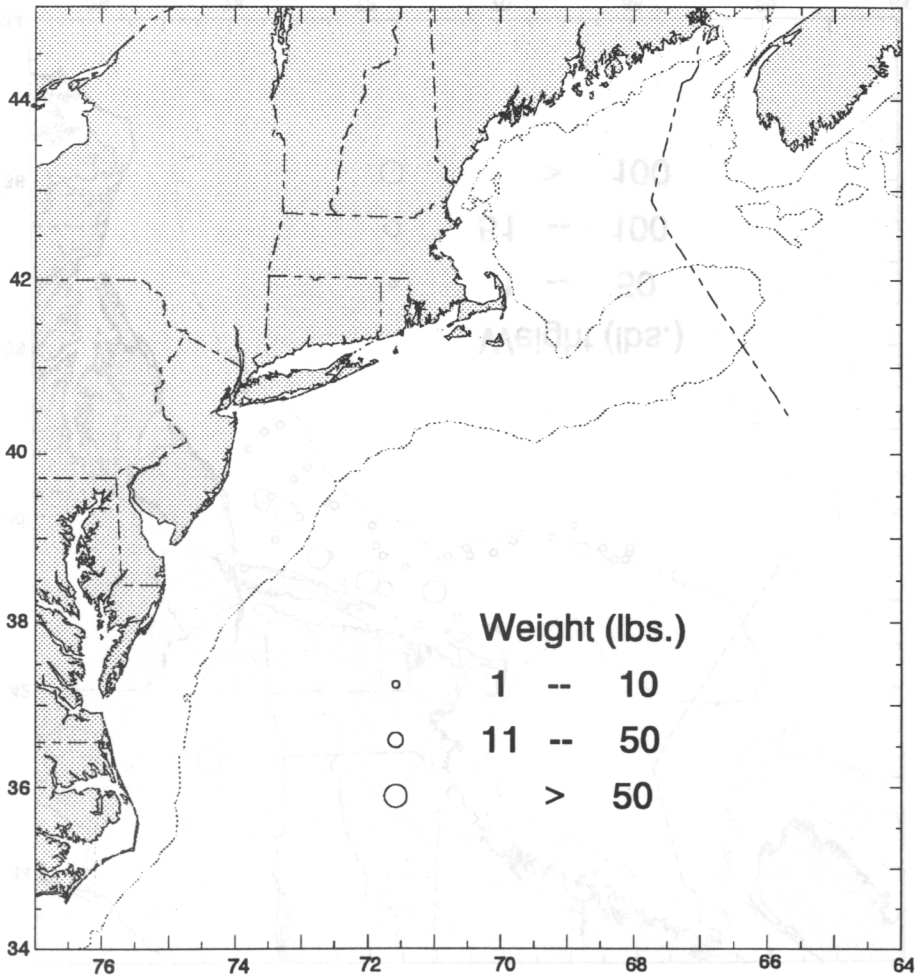
ATLANTIC MACKEREL
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



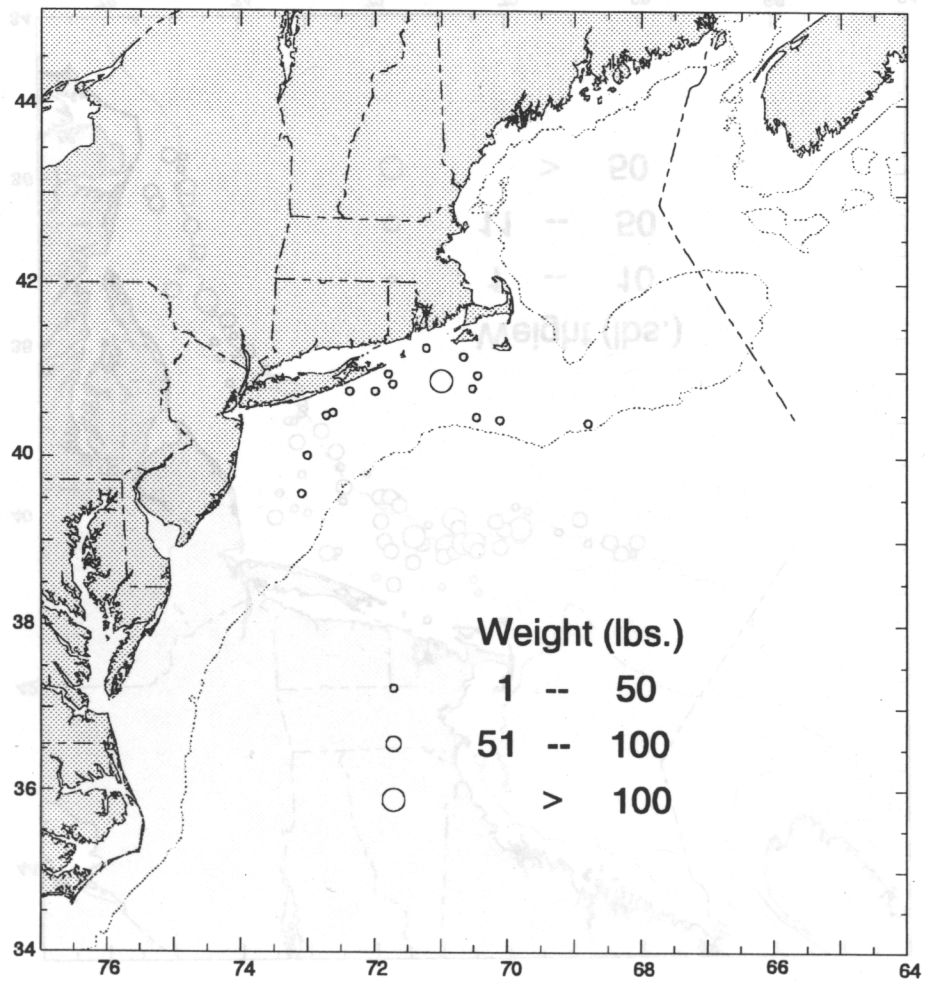
BUTTERFISH
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



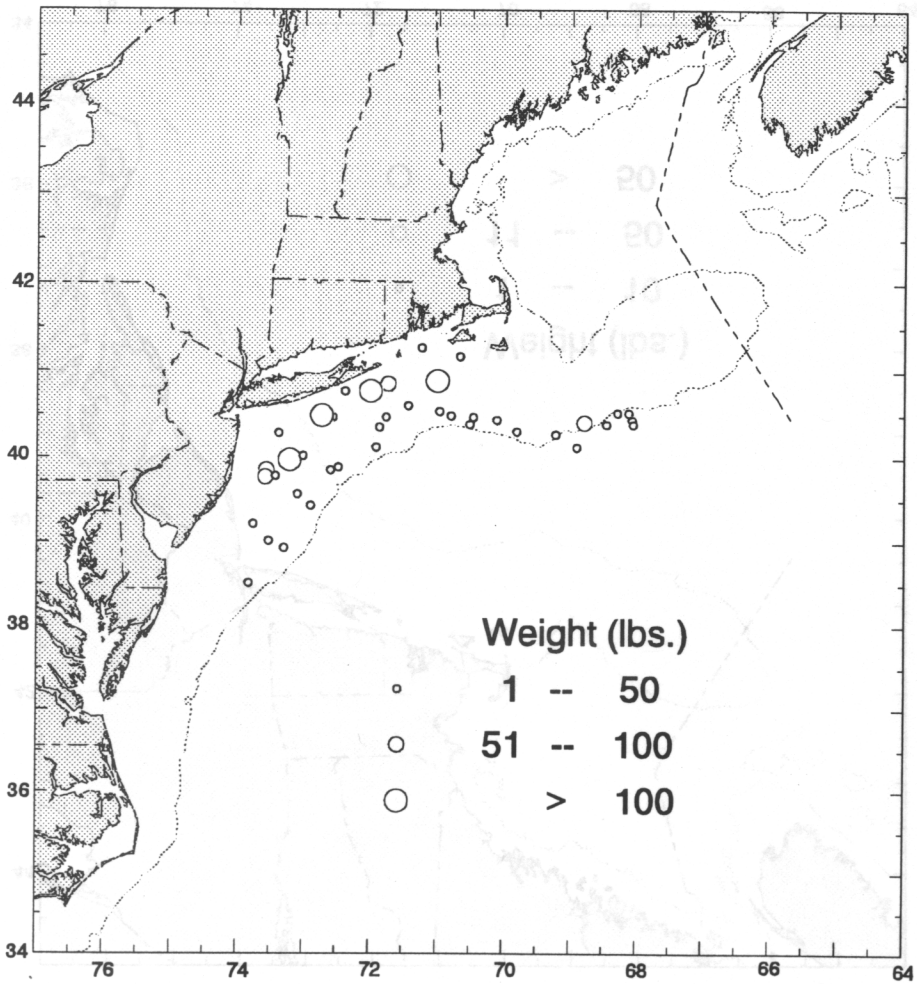
ACADIAN REDFISH
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



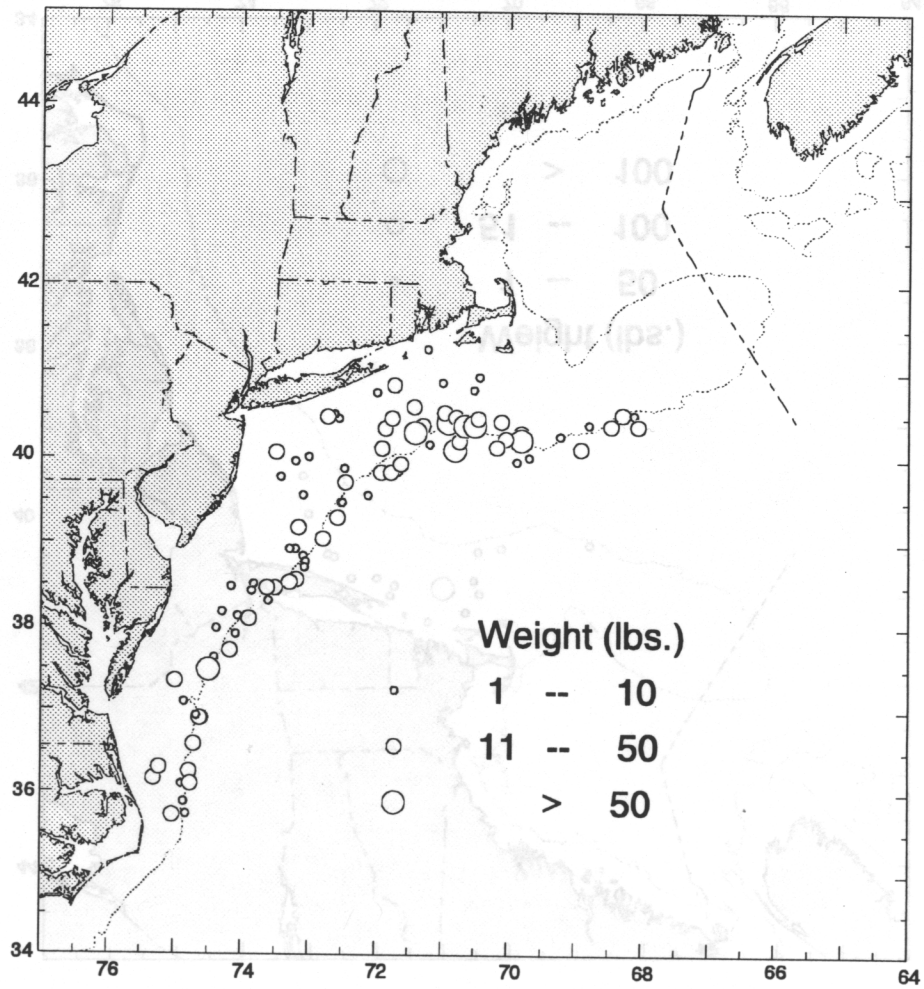
LONGHORN SCULPIN
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



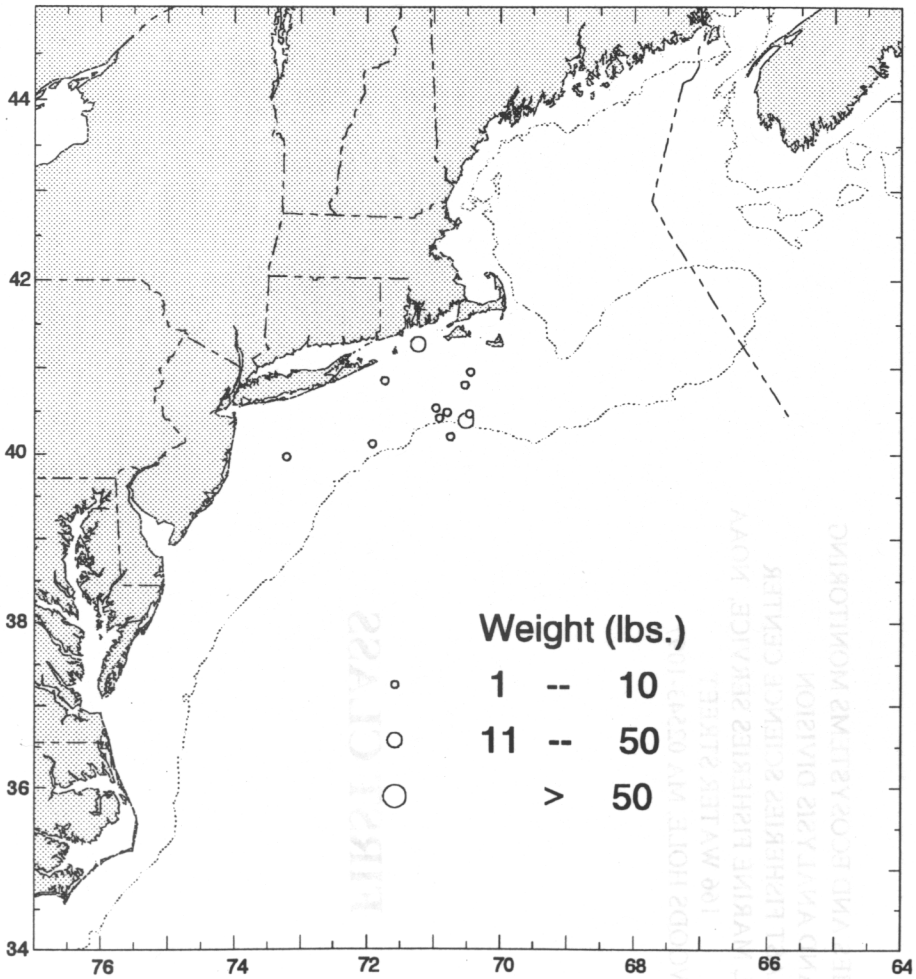
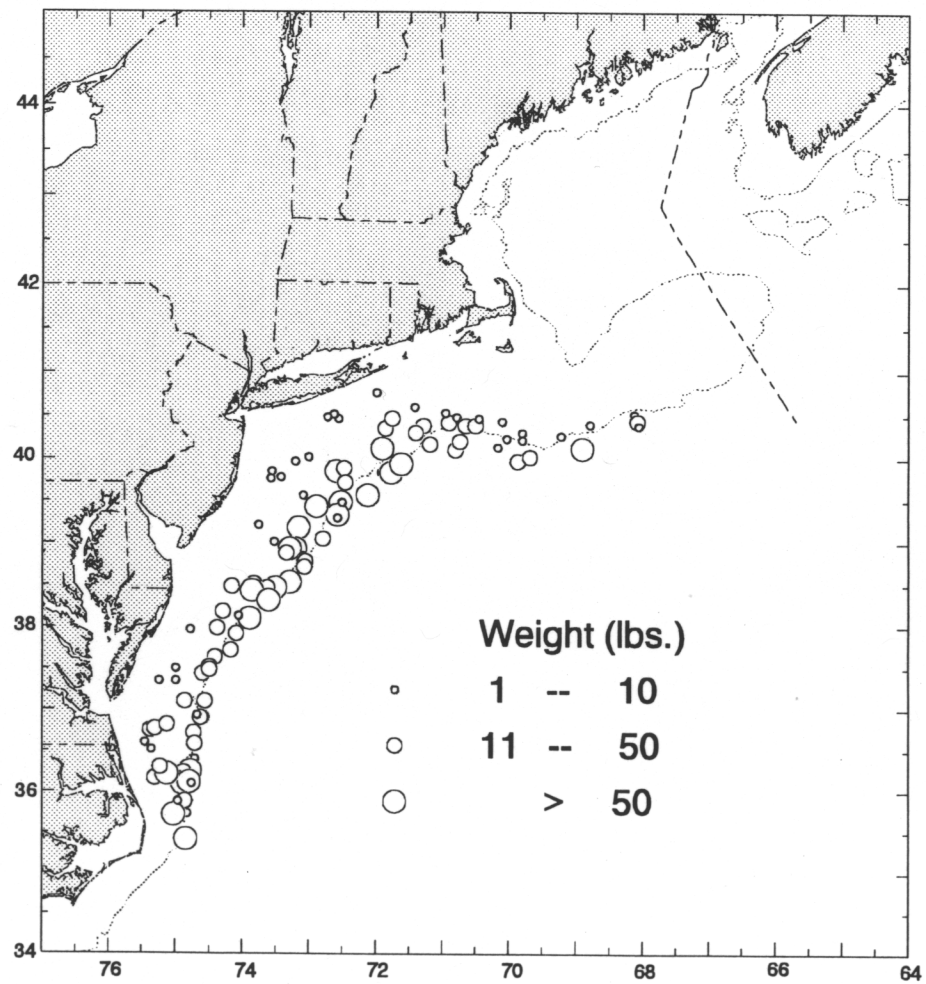
OCEAN POUT
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



GOOSEFISH
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



AMERICAN LOBSTER
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000



LONGFIN SQUID
NEFSC Bottom Trawl Survey
Feb. 9 - Mar. 1, 2000