RESOURCE SURVEY REPORT
Preliminary Catch Summary
National Marine Fisheries Service
Northeast Fisheries Science Center
Spring Bottom Trawl Survey
Cape Hatteras - Gulf of Maine
March 2 - April 22, 2004

Submitted to: NOAA, NEFSC

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Date: 2004

Resource Survey Report
Bottom Trawl Survey

Cape Hatteras - Gulf of Maine
March 2, 2004 - April 22, 2004
FRV Albatross IV

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

Haddock Stock Recovery

Haddock 2000 year class

Haddock 2003 year class

Photos by Jon Brodziak, Ph.D.

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This report consists of field notes, station and catch summaries and a series of geographical plots of commercial and recreational important species caught during the Northeast Fisheries Science Center's 2004 spring bottom trawl survey aboard the *FRV ALBATROSS IV*. Tows were made with a #36 Yankee otter trawl rigged with rollers, 5 fathom legs and 1000 pound polyvalent doors. The cod end 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 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).

The data are now summarized from audited catch files generated from the Fisheries Scientific Computer System (FSCS).

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Field Notes

In an effort to share some of the natural history observations made during the spring bottom trawl survey, we have requested that the Chief Scientists on each part of the cruise comment on some of the more interesting catches that were brought aboard the *FRV ALBATROSS IV.*

Cold Temperatures Affect Fish Distribution

March felt more winter-like than the winter survey in February. Temperatures were often below zero, and it seemed as though we had a straight week of snow squalls at one point. The water seemed colder than normal, which was expected with such an unusually intense winter.

Large elasmobranchs such as stingrays and some of the larger toothed sharks (non-dogfish) were well "around the corner" below Cape Hatteras. We captured the second blacknose shark that I have seen in my years on the survey.

The spiny dogfish distribution followed the winter survey in that they were encountered all the way out to 366 meters. What was also interesting was that they were encountered all the way inshore to our shallowest stations as well. It didn't seem as though we caught as many liner-tearing giant dog tows, but rather a steady presence of dogfish seemed to be everywhere. The inshore tows had many fewer dogfish than the offshore tows.

Offhand, it seemed that biodiversity in general was down - the cruises were not as interesting as past years in terms of fish diversity. In the absence of any hard examination of the data, most people chalked this up to an unusually cold year. Whatever the reasons, from a "weird fish" lover's standpoint, it was a very monotonous assemblage of species.

Another Record Year for Haddock!

The NEFSC spring bottom trawl survey captured an average of 112 age-one haddock per tow on Georges Bank - the highest ever recorded during the 37 years of the spring survey. The catch rate of the 2003 haddock year class was about 50 percent higher than the previous record, and over 20 times the average during 1968-2002. The previous catch-per-tow record of age-one fish was 81 fish per tow in 1976. The 1975 Georges Bank haddock year class was the largest cohort (103 million age-1 fish) observed since 1963.

A Gathering of Cats

An unusual capture of multiple and large Atlantic wolffish occurred on the Northern Edge of the Georges Bank cruise. Usually a solitary animal (except during the breeding season), five fish weighing a total of 100 pounds were caught at one station in 40 fm of water; the smallest was 34 inches (85 cm) and the largest was 42 inches (107 cm). There have only been three other tows on Georges where more fish of the same size have been caught and only five other tows that have weighed more since the spring surveys began in 1968. Our time series shows the size of fish that we've caught in the spring range from 2-54 inches (4-137 cm). Atlantic wolffish are currently a "species of concern" in Atlantic Canada due to declining populations.

These fish are very distinctive in shape (a stout, eel-like body), blunt head and heavy jaws. When

wolffish come aboard, the scientists are careful to keep their fingers gloved and away from the fish's canine-like and three rows of crushing teeth which are primarily used to grind and consume crabs, starfish, sea urchins and shellfish. Bigelow and Schroeder (1953), indicate that wolffish are renowned for their bad temperament and biting ability as they have been seen to easily bite through broom handles. It's interesting to note that because their teeth are worn down from the types of food that they eat, they lose all of their teeth annually (from September to December) and must fast during the time while their teeth are being replaced (which also coincides with their spawning period). Their flesh is edible (marketed as ocean catfish) and their grey skin with dark bars is tough enough to be tanned into leather.

Bigger Halibut

Several large Atlantic halibut specimens were caught in the Gulf of Maine. While small halibut are commonly taken during the survey, we typically do not see larger specimens brought aboard. At station 293 near the mouth of St. Mary's Bay, Nova Scotia, two large halibut were caught: one weighed in at 28 lbs (12.9 kgs), and the other at 51 lbs (23.23 kgs). We caught another good sized halibut at station 299 in the Jordan Basin area that weighed 19 lbs (8.44 kgs). Since full grown (female) Atlantic halibut average around132 lbs (60 kgs) and there are records of fish taken over 660 lbs (300 kgs), this spring's survey fish were certainly not large by halibut standards. We also want to note that a Massachusetts recreational angler targeting cod landed an Atlantic halibut in excess of 200 lbs earlier this spring.

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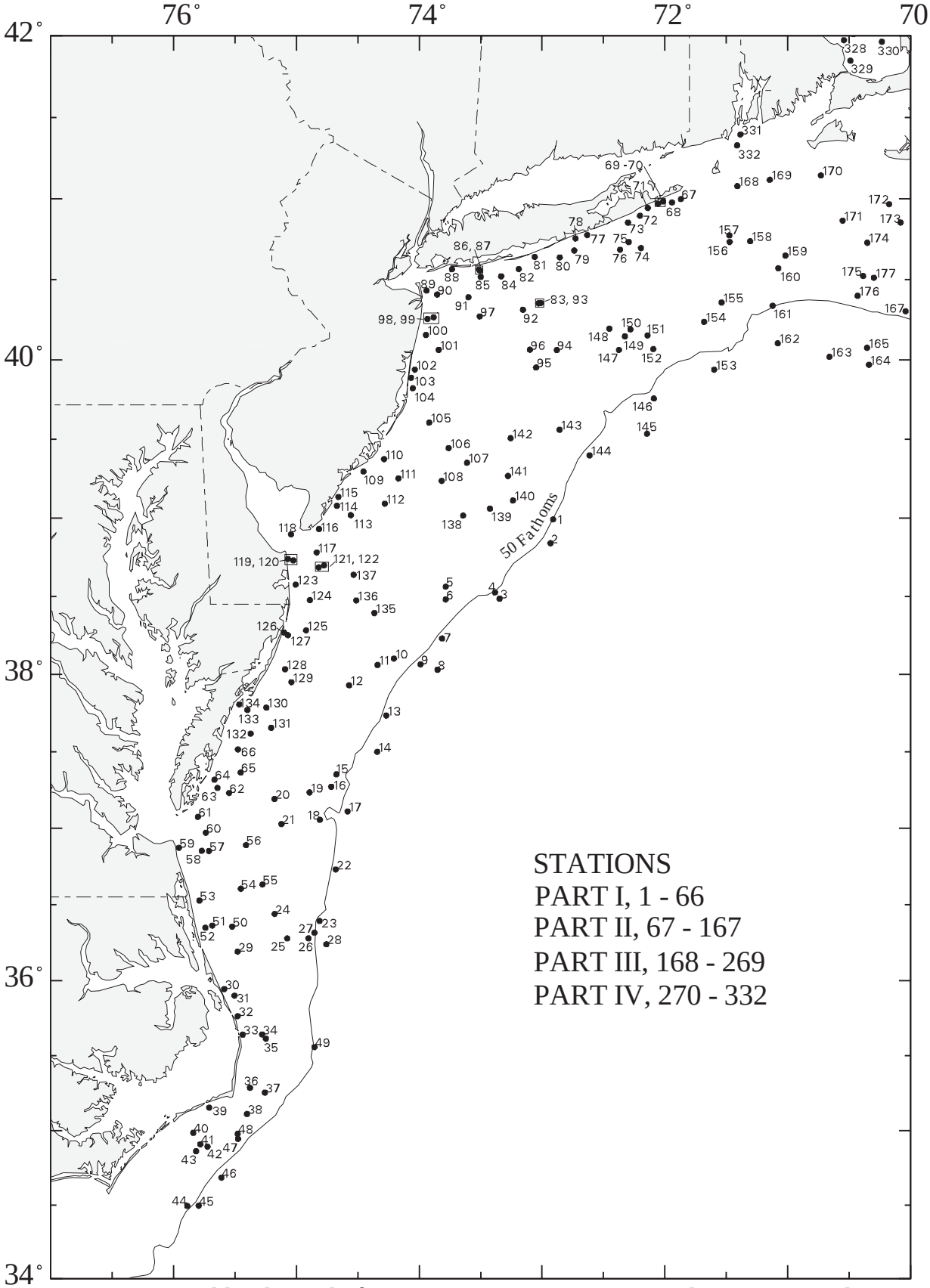

Figure 1. Trawl hauls made from FRV ALBATROSS IV, during National Marine Fisheries Service, Northeast Fisheries Science Center spring bottom trawl survey (04 - 03), March 2 - April 22, 2004. Map 1 of 2

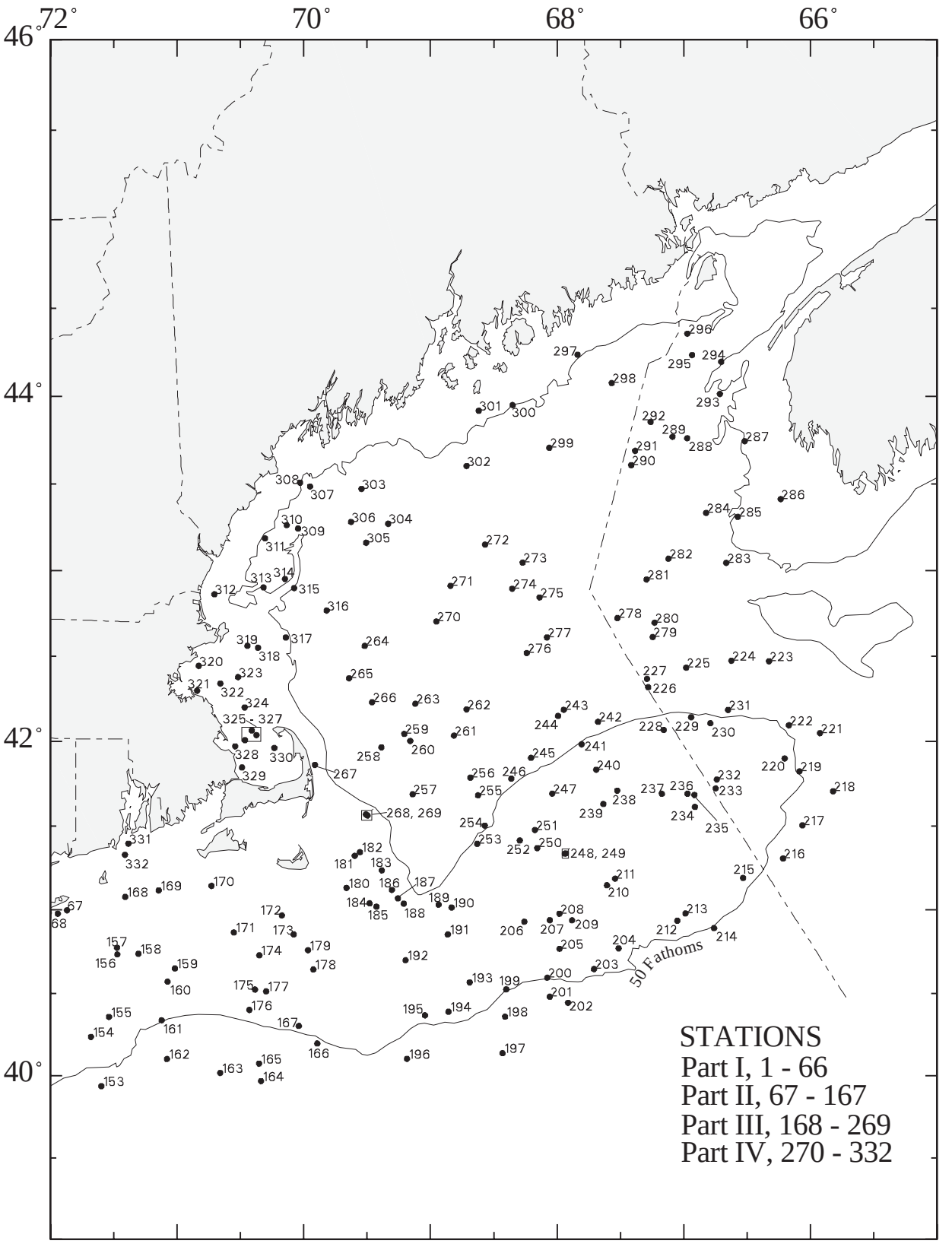

Figure 2. Trawl hauls made from FRV ALBATROSS IV, during National Marine Fisheries Service, Northeast Fisheries Science Center spring bottom trawl survey (04 - 03), March 2 - April 22, 2004. Map 2 of 2

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
2004 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0001	MAR-03	0934	3859.5	7254.6	X26386.8	Y42815.4	198	55.2	43.5
0002	MAR-03	1147	3850.4	7255.9	X26390.6	Y42727.8	036	147.1	51.1
0003	MAR-03	1613	3829.1	7320.8	X26526.0	Y42506.7	006	66.2	47.8
0004	MAR-03	1727	3831.5	7323.0	X26540.7	Y42528.8	275	56.0	45.3
0005	MAR-03	2002	3833.8	7347.1	X26682.5	Y42535.1	173	33.1	43.2
0006	MAR-03	2127	3828.9	7347.1	X26677.0	Y42484.7	185	35.8	43.9
0007	MAR-03	2336	3813.8	7348.8	X26670.4	Y42328.2	153	63.4	46.8
0008	MAR-04	0202	3801.8	7351.1	X26670.3	Y42202.0	025	186.2	42.4
0009	MAR-04	0344	3803.8	7359.3	X26716.4	Y42214.1	285	63.2	46.9
0010	MAR-04	0531	3806.1	7412.4	X26788.5	Y42223.1	219	32.0	44.1
0011	MAR-04	0652	3803.6	7420.4	X26827.4	Y42187.7	232	28.2	44.2
0012	MAR-04	0850	3755.8	7434.2	X26887.6	Y42086.1	161	27.3	43.3
0013	MAR-04	1118	3744.0	7416.1	X26780.2	Y41985.6	190	58.5	45.0
0014	MAR-04	1344	3729.9	7420.5	X26785.4	Y41830.8	051	149.3	50.7
0015	MAR-04	1644	3721.1	7440.5	X26869.5	Y41704.3	241	33.1	46.4
0016	MAR-04	1752	3716.3	7443.0	X26874.7	Y41648.0	209	35.0	45.9
0017	MAR-04	1944	3706.7	7400.3	X26667.7	Y41628.9	181	64.0	50.0
0018	MAR-04	2139	3703.4	7448.6	X26883.6	Y41499.9	286	33.6	45.9
0019	MAR-04	2335	3714.1	7453.6	X26920.5	Y41605.0	261	24.1	45.5
0020	MAR-05	0128	3711.5	7510.7	X26993.8	Y41545.2	181	16.4	42.4
0021	MAR-05	0305	3701.7	7507.3	X26964.1	Y41444.2	117	21.6	43.2
0022	MAR-05	0626	3643.9	7440.8	X26826.7	Y41312.9	203	60.4	49.5
0023	MAR-05	0907	3623.5	7448.7	X26838.2	Y41086.0	181	48.1	48.0
0024	MAR-05	1151	3626.4	7510.7	X26931.3	Y41058.6	155	17.8	43.5
0025	MAR-05	1332	3616.6	7504.5	X26894.9	Y40974.1	092	23.0	43.7
0026	MAR-05	1505	3616.7	7454.1	X26853.3	Y41002.5	039	35.5	47.1
0027	MAR-05	1643	3618.9	7451.2	X26843.8	Y41032.9	167	45.4	46.9
0028	MAR-05	1901	3614.3	7445.4	X26815.5	Y41002.7	162	207.0	50.0
0029	MAR-05	2334	3611.4	7528.8	X26984.3	Y40854.3	189	14.8	44.1
0030	MAR-06	0142	3556.6	7535.3	X26990.5	Y40679.9	152	9.6	41.7
0031	MAR-06	0256	3554.0	7530.3	X26968.5	Y40667.8	167	10.9	41.9
0032	MAR-06	0429	3545.8	7528.8	X26953.2	Y40589.5	157	12.3	42.6
0033	MAR-06	0601	3538.4	7526.3	X26935.8	Y40523.9	145	9.6	43.0
0034	MAR-06	0733	3538.5	7516.8	X26900.8	Y40556.9	176	15.9	45.0
0035	MAR-06	0854	3536.8	7515.0	X26892.3	Y40546.5	182	17.2	45.3
0036	MAR-06	1141	3517.2	7522.7	X26900.6	Y40335.2	192	10.4	53.8
0037	MAR-06	1313	3515.2	7515.4	X26873.0	Y40344.5	214	16.1	57.9
0038	MAR-06	1515	3506.6	7524.2	X26895.7	Y40234.6	242	8.7	55.4
0039	MAR-06	2121	3509.2	7542.6	X26962.0	Y40187.1	205	9.8	53.2
0040	MAR-06	2327	3459.1	7550.4	X26977.8	Y40064.0	217	12.0	62.1
0041	MAR-07	0053	3454.5	7547.0	X26961.4	Y40036.9	203	13.9	64.2
0042	MAR-07	0246	3453.5	7543.5	X26948.7	Y40043.3	212	17.8	65.8
0043	MAR-07	0432	3451.7	7549.1	X26965.5	Y40004.2	233	15.3	62.2
0044	MAR-07	0720	3429.5	7553.3	X26957.2	Y39804.7	215	38.8	65.3
0045	MAR-07	0854	3429.7	7547.8	X26939.5	Y39831.2	222	74.9	58.5
0046	MAR-07	1117	3441.0	7536.7	X26913.9	Y39968.1	238	78.5	54.5
0047	MAR-07	1400	3456.7	7528.5	X26901.2	Y40130.9	265	34.7	56.1
0048	MAR-07	1524	3458.7	7528.8	X26903.9	Y40147.4	041	27.6	60.3

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
2004 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0049	MAR-07	2020	3533.5	7451.2	X26801.2	Y40595.3	181	30.3	49.1
0050	MAR-08	0601	3621.4	7531.4	X27007.8	Y40952.9	323	15.0	43.9
0051	MAR-08	0737	3621.8	7541.2	X27046.6	Y40932.8	343	11.5	43.0
0052	MAR-08	0855	3620.9	7544.5	X27058.4	Y40915.2	349	10.1	42.4
0053	MAR-08	1044	3631.6	7547.4	X27086.0	Y41026.8	347	9.6	41.9
0054	MAR-08	1305	3636.3	7527.2	X27011.6	Y41125.0	079	10.7	44.4
0055	MAR-08	1433	3638.0	7516.6	X26970.5	Y41167.8	336	16.4	43.5
0056	MAR-08	1652	3653.4	7524.7	X27026.5	Y41318.4	265	15.9	42.6
0057	MAR-08	1855	3651.1	7542.8	X27098.3	Y41255.2	304	11.8	41.0
0058	MAR-08	2010	3651.2	7546.3	X27112.9	Y41248.5	328	10.1	40.6
0059	MAR-08	2202	3652.4	7557.4	X27160.3	Y41240.2	347	4.9	43.7
0060	MAR-09	0001	3658.3	7544.3	X27116.8	Y41333.4	306	8.2	40.8
0061	MAR-09	0119	3704.5	7548.2	X27143.8	Y41396.8	053	5.5	40.8
0062	MAR-09	0326	3713.9	7532.9	X27095.3	Y41530.9	296	10.4	42.3
0063	MAR-09	0436	3715.8	7538.6	X27123.3	Y41543.0	033	8.2	41.2
0064	MAR-09	0545	3719.0	7540.1	X27135.8	Y41577.3	018	6.0	42.8
0065	MAR-09	0730	3721.9	7527.2	X27084.4	Y41631.0	019	14.8	41.5
0066	MAR-09	0901	3730.9	7528.6	X27106.7	Y41731.0	039	8.7	41.2
0067	MAR-15	2137	4059.9	7152.2	X25994.7	Y43834.0	260	11.5	38.5
0068	MAR-15	2239	4058.7	7156.5	X26030.7	Y43830.5	251	13.7	38.8
0069	MAR-15	2341	4059.0	7200.8	X26069.0	Y43839.2	236	9.3	39.0
0070	MAR-16	0045	4058.2	7203.3	X26089.5	Y43836.5	240	8.2	39.4
0071	MAR-16	0148	4056.6	7208.3	X26130.5	Y43830.9	223	9.8	39.4
0072	MAR-16	0252	4053.7	7212.1	X26159.1	Y43813.2	244	13.1	39.6
0073	MAR-16	0412	4051.2	7218.0	X26205.3	Y43800.3	244	14.2	39.2
0074	MAR-16	0615	4041.7	7211.6	X26137.6	Y43714.6	281	25.2	39.7
0075	MAR-16	0733	4044.0	7217.6	X26191.2	Y43740.7	260	22.7	39.6
0076	MAR-16	0900	4041.1	7221.8	X26222.6	Y43722.0	282	21.6	39.7
0077	MAR-16	1054	4046.6	7238.0	X26368.0	Y43788.6	252	9.3	38.8
0078	MAR-16	1205	4045.3	7243.6	X26413.8	Y43785.3	069	8.5	38.8
0079	MAR-16	1431	4040.8	7244.2	X26410.6	Y43747.4	080	17.0	38.8
0080	MAR-16	1614	4038.3	7251.3	X26465.0	Y43733.8	056	17.0	38.5
0081	MAR-17	0242	4038.4	7303.6	X26566.9	Y43750.3	068	9.3	38.1
0082	MAR-17	0433	4033.9	7311.4	X26621.2	Y43718.7	094	13.7	38.1
0083	MAR-17	0731	4021.2	7300.5	X26509.5	Y43590.5	088	22.4	39.2
0084	MAR-17	1032	4031.2	7319.9	X26684.7	Y43703.3	076	12.8	37.8
0085	MAR-17	1227	4030.9	7330.0	X26764.5	Y43712.0	071	9.8	37.9
0086	MAR-17	1349	4033.3	7330.3	X26773.4	Y43735.4	071	8.2	38.5
0087	MAR-17	1508	4033.8	7330.9	X26778.7	Y43740.0	247	8.2	37.8
0088	MAR-17	1649	4033.8	7344.0	X26884.2	Y43755.9	257	7.9	38.3
0089	MAR-17	1843	4025.9	7356.5	X26959.8	Y43690.7	182	9.6	38.8
0090	MAR-17	2009	4024.4	7351.2	X26915.3	Y43670.8	177	12.0	38.7
0091	MAR-17	2300	4023.4	7336.0	X26794.2	Y43645.8	109	12.8	37.8
0092	MAR-18	0143	4018.7	7309.3	X26574.6	Y43575.5	072	23.0	39.0
0093	MAR-18	0300	4021.1	7301.8	X26519.1	Y43590.9	077	23.2	39.0
0094	MAR-18	0546	4003.6	7252.8	X26423.8	Y43421.3	080	29.8	40.6
0095	MAR-18	0750	3957.0	7302.9	X26492.0	Y43366.7	289	28.4	40.8
0096	MAR-18	0922	4003.7	7305.9	X26524.1	Y43432.0	283	24.9	40.6

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
2004 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0097	MAR-18	1204	4016.2	7330.5	X26734.8	Y43571.1	261	15.9	37.8
0098	MAR-18	1414	4015.9	7353.0	X26906.2	Y43587.2	196	12.8	38.7
0099	MAR-18	1520	4015.3	7355.9	X26927.2	Y43583.5	008	11.5	38.5
0100	MAR-18	1658	4009.3	7356.8	X26917.8	Y43523.2	215	11.2	38.5
0101	MAR-18	1831	4003.7	7350.5	X26857.6	Y43461.8	211	14.8	38.7
0102	MAR-18	2015	3956.2	7402.2	X26924.8	Y43392.5	176	10.9	39.4
0103	MAR-18	2120	3953.2	7404.0	X26930.4	Y43361.3	173	8.5	39.4
0104	MAR-18	2229	3949.2	7403.2	X26915.2	Y43319.9	147	8.7	39.4
0105	MAR-19	0029	3936.3	7355.2	X26831.3	Y43182.3	152	14.8	39.4
0106	MAR-19	0217	3926.6	7345.6	X26748.8	Y43081.4	126	18.3	40.1
0107	MAR-19	0418	3921.1	7336.7	X26680.1	Y43024.0	088	25.2	41.2
0108	MAR-19	0645	3914.2	7349.1	X26750.7	Y42952.9	090	22.7	40.5
0109	MAR-19	1458	3917.7	7427.2	X27001.6	Y42985.7	058	7.1	40.1
0110	MAR-19	1634	3922.4	7417.2	X26948.2	Y43037.9	044	8.2	39.6
0111	MAR-19	1925	3915.1	7410.2	X26888.0	Y42960.0	066	12.8	39.9
0112	MAR-19	2131	3905.5	7416.8	X26910.4	Y42855.7	070	17.2	40.1
0113	MAR-19	2350	3901.1	7433.5	X27002.3	Y42802.0	041	9.3	40.1
0114	MAR-20	0128	3904.7	7440.2	X27051.0	Y42839.3	054	8.7	40.3
0115	MAR-20	0233	3908.1	7439.5	X27054.5	Y42876.7	025	7.1	40.1
0116	MAR-20	0458	3855.8	7449.0	X27081.6	Y42736.4	060	7.1	40.3
0117	MAR-20	0656	3846.9	7450.1	X27067.6	Y42635.0	075	9.8	39.6
0118	MAR-20	0924	3853.8	7502.6	X27154.6	Y42705.8	181	7.7	40.8
0119	MAR-20	1051	3844.4	7504.2	X27140.2	Y42597.9	168	6.0	41.2
0120	MAR-20	1209	3843.8	7501.5	X27124.3	Y42593.4	151	5.7	41.2
0121	MAR-20	1343	3841.2	7449.2	X27049.8	Y42571.7	050	9.3	39.9
0122	MAR-20	1545	3842.0	7446.5	X27036.6	Y42582.5	206	8.5	40.1
0123	MAR-20	1747	3834.6	7500.4	X27096.8	Y42489.0	154	8.2	41.5
0124	MAR-20	2019	3828.6	7453.4	X27046.4	Y42427.9	192	12.3	40.1
0125	MAR-20	2212	3817.0	7455.3	X27033.0	Y42295.6	197	9.8	40.1
0126	MAR-21	0003	3816.1	7506.1	X27087.2	Y42275.3	195	7.4	41.7
0127	MAR-21	0116	3815.1	7504.2	X27075.2	Y42265.7	193	8.2	41.0
0128	MAR-21	0329	3802.0	7505.5	X27056.1	Y42115.8	214	8.2	41.7
0129	MAR-21	0459	3757.0	7502.5	X27031.4	Y42063.3	216	13.1	41.2
0130	MAR-21	0701	3747.1	7514.7	X27072.4	Y41936.0	227	11.2	41.5
0131	MAR-21	0834	3739.3	7512.3	X27047.0	Y41851.3	237	16.4	41.0
0132	MAR-21	1001	3737.0	7522.4	X27089.8	Y41810.3	353	9.0	41.9
0133	MAR-21	1126	3746.2	7524.0	X27114.8	Y41912.8	319	7.1	42.1
0134	MAR-21	1236	3748.3	7527.9	X27137.6	Y41931.7	043	5.2	43.5
0135	MAR-21	1952	3823.6	7421.9	X26865.5	Y42401.0	321	23.8	42.3
0136	MAR-21	2129	3828.5	7430.8	X26922.5	Y42446.0	262	21.3	41.0
0137	MAR-22	0208	3838.3	7432.0	X26947.8	Y42552.8	311	18.3	40.5
0138	MAR-22	0944	3901.0	7338.6	X26664.6	Y42818.9	318	26.8	40.8
0139	MAR-22	1204	3903.6	7325.4	X26584.7	Y42849.0	332	31.4	40.5
0140	MAR-22	1354	3906.7	7314.2	X26516.3	Y42881.9	000	35.0	40.3
0141	MAR-22	1530	3916.0	7316.6	X26541.1	Y42973.7	003	31.4	40.5
0142	MAR-22	1730	3930.4	7315.4	X26548.3	Y43114.4	067	24.6	40.8
0143	MAR-22	1949	3933.5	7251.4	X26385.5	Y43139.6	114	35.8	38.8
0144	MAR-22	2207	3923.9	7236.8	X26280.3	Y43045.9	047	62.6	43.7

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0145	MAR-23	0227	3932.0	7208.7	X26091.3	Y43114.1	214	118.9	52.3
0146	MAR-23	0510	3945.4	7205.3	X26065.2	Y43230.1	024	65.1	48.0
0147	MAR-23	0757	4003.7	7222.4	X26193.1	Y43400.2	327	36.6	37.4
0148	MAR-23	0930	4011.6	7227.1	X26234.0	Y43473.9	115	37.7	39.4
0149	MAR-23	1055	4008.7	7219.5	X26173.2	Y43442.5	035	38.3	38.5
0150	MAR-23	1312	4011.4	7216.8	X26153.7	Y43463.2	106	38.0	37.9
0151	MAR-23	1436	4009.1	7208.5	X26088.6	Y43437.0	158	37.5	37.9
0152	MAR-23	1603	4004.0	7205.7	X26066.4	Y43390.9	107	42.1	37.8
0153	MAR-23	1858	3956.2	7135.9	X25852.0	Y43307.0	085	70.3	52.7
0154	MAR-23	2218	4014.2	7140.8	X25876.9	Y43457.6	250	45.9	38.8
0155	MAR-24	0042	4021.4	7132.2	X25808.3	Y43508.8	236	45.4	38.8
0156	MAR-24	0440	4000.4	7128.3	X25795.0	Y43336.8	226	36.6	37.6
0157	MAR-24	0610	4046.4	7128.4	X25775.3	Y43699.9	218	34.2	37.8
0158	MAR-24	0755	4044.2	7118.3	X25689.6	Y43671.8	084	33.4	37.2
0159	MAR-24	1001	4038.9	7101.0	X25551.7	Y43613.4	207	38.3	38.1
0160	MAR-24	1115	4034.2	7104.5	X25583.7	Y43581.4	174	41.3	37.9
0161	MAR-24	1339	4020.2	7107.3	X25621.3	Y43477.8	248	50.3	49.1
0162	MAR-24	1619	4006.1	7104.8	X25625.2	Y43366.7	088	93.5	53.1
0163	MAR-24	1909	4001.1	7039.5	X25475.9	Y43312.5	086	112.4	53.4
0164	MAR-24	2200	3958.1	7020.2	X25378.5	Y43279.7	247	194.9	48.2
0165	MAR-24	2356	4004.5	7021.2	X25365.1	Y43327.0	119	89.7	51.8
0166	MAR-25	0316	4011.8	6953.6	W14159.6	Y43362.5	169	53.6	45.0
0167	MAR-25	0519	4018.1	7002.3	X25231.4	Y43412.9	277	48.7	45.9
0168	MAR-29	2014	4104.7	7124.5	X25758.0	Y43831.9	184	22.1	37.9
0169	MAR-29	2304	4107.0	7108.7	X25619.9	Y43827.3	123	22.1	37.6
0170	MAR-30	0141	4108.6	7043.7	X25398.7	Y43805.7	076	20.8	37.2
0171	MAR-30	0415	4051.9	7033.1	X25315.2	Y43677.1	156	30.9	38.5
0172	MAR-30	0650	4058.0	7010.4	X25134.8	Y43694.0	149	13.9	38.5
0173	MAR-30	0818	4051.2	7004.8	X25126.1	Y43642.4	253	14.5	38.5
0174	MAR-30	1027	4043.7	7021.0	X25248.1	Y43607.3	115	27.1	39.6
0175	MAR-30	1235	4031.3	7023.1	X25297.1	Y43522.2	076	35.8	39.6
0176	MAR-30	1445	4023.9	7025.8	X25334.5	Y43471.5	268	44.8	40.5
0177	MAR-30	1637	4030.7	7017.8	X25268.2	Y43513.1	067	35.5	39.4
0178	MAR-30	1901	4038.6	6955.5	W14080.1	Y43548.3	064	29.8	39.7
0179	MAR-30	2059	4045.5	6900.6	W13771.8	Y43547.1	071	19.4	39.0
0180	MAR-31	0036	4107.9	6939.7	W13885.1	Y43725.0	208	14.2	38.7
0181	MAR-31	0327	4119.4	6935.8	W13816.3	Y43792.4	060	14.8	38.7
0182	MAR-31	0428	4120.7	6933.4	W13797.7	Y43797.3	179	15.0	38.7
0183	MAR-31	0647	4114.2	6923.0	W13770.0	Y43745.9	320	27.6	39.6
0184	MAR-31	0911	4102.4	6928.8	W13849.2	Y43678.4	010	17.8	39.6
0185	MAR-31	1053	4101.2	6925.5	W13837.0	Y43667.7	042	22.4	39.6
0186	MAR-31	1245	4107.2	6918.3	W13774.3	Y43697.8	341	29.5	39.6
0187	MAR-31	1419	4104.2	6915.4	W13771.9	Y43676.1	169	32.3	39.6
0188	MAR-31	1552	4102.3	6912.6	W13765.3	Y43661.7	172	33.9	39.4
0189	MAR-31	1816	4101.9	6856.1	W13683.4	Y43643.8	218	43.7	38.8
0190	MAR-31	1957	4100.9	6849.9	W13657.1	Y43631.9	203	36.9	38.7
0191	MAR-31	2234	4051.2	6851.8	W13705.8	Y43574.9	210	38.3	38.8
0192	APR-01	0101	4041.9	6911.8	W13841.8	Y43533.3	109	36.9	39.6

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0193	APR-01	0406	4033.9	6841.4	W13723.6	Y43460.6	217	38.0	39.6
0194	APR-01	0606	4023.3	6851.4	W13811.3	Y43400.8	274	47.6	41.5
0195	APR-01	0739	4022.0	6902.6	W13869.9	Y43399.3	205	49.5	42.6
0196	APR-01	1010	4006.2	6911.1	W13965.7	Y43301.2	071	72.2	47.8
0197	APR-01	1604	4008.2	6825.8	W13746.3	Y43292.7	335	213.5	47.8
0198	APR-01	1821	4021.5	6824.6	W13692.2	Y43373.9	062	63.7	42.3
0199	APR-01	2018	4031.4	6824.1	W13652.3	Y43433.8	064	51.9	40.8
0200	APR-01	2245	4035.6	6804.7	W13547.4	Y43446.7	119	51.9	40.6
0201	APR-02	0045	4028.7	6803.5	W13569.2	Y43405.3	108	73.8	42.8
0202	APR-02	0256	4026.5	6754.8	W13539.3	Y43387.8	094	78.5	40.6
0203	APR-02	0557	4038.7	6742.5	W13437.2	Y43451.2	048	41.6	39.9
0204	APR-02	0809	4046.2	6730.8	W13356.4	Y43486.2	324	46.8	39.7
0205	APR-02	1133	4046.0	6758.8	W13478.6	Y43503.8	344	39.1	39.9
0206	APR-02	1359	4055.8	6815.5	W13514.0	Y43572.6	079	29.3	38.8
0207	APR-02	1549	4056.3	6803.4	W13456.1	Y43566.4	045	27.3	38.8
0208	APR-02	1701	4058.7	6758.9	W13425.6	Y43576.1	126	32.3	39.2
0209	APR-02	1822	4056.3	6752.9	W13409.4	Y43558.0	071	33.6	39.2
0210	APR-02	2053	4108.9	6736.4	W13281.7	Y43615.3	045	29.3	39.2
0211	APR-02	2204	4111.2	6732.5	W13254.5	Y43625.1	115	25.7	39.2
0212	APR-03	0117	4056.1	6703.1	W13199.5	Y43522.6	039	44.3	39.0
0213	APR-03	0229	4058.8	6659.2	W13172.6	Y43534.1	103	42.7	39.2
0214	APR-03	0449	4053.5	6645.7	W13142.5	Y43497.7	032	53.9	43.9
0215	APR-03	0737	4111.4	6631.9	W13010.7	Y43581.7	076	52.5	42.1
0216	APR-03	1018	4118.5	6612.9	W12909.7	Y43603.9	009	80.1	
0217	APR-03	1253	4130.3	6603.8	W12822.7	Y43655.1	046	65.3	44.1
0218	APR-03	1533	4142.4	6549.2	W12716.0	Y43702.0	286	74.1	41.4
0219	APR-03	1732	4149.4	6605.2	W12735.5	Y43747.3	302	51.7	39.2
0220	APR-03	1933	4154.0	6612.2	W12736.6	Y43774.6	073	48.7	38.8
0221	APR-03	2221	4203.0	6555.5	W12635.3	Y43801.9	304	109.1	42.3
0222	APR-04	0049	4205.7	6610.2	W12670.5	Y43827.2	345	55.8	39.2
0223	APR-04	0435	4228.3	6619.6	W12583.9	Y43938.2	264	138.9	46.8
0224	APR-04	0711	4228.5	6637.4	W12645.9	Y43957.0	256	168.7	47.5
0225	APR-04	0950	4226.0	6658.8	W12739.9	Y43968.6	255	200.1	47.3
0226	APR-04	1219	4219.2	6716.8	W12849.4	Y43956.2	249	161.0	47.7
0227	APR-04	1320	4222.1	6717.4	W12835.7	Y43970.8	207	174.2	
0228	APR-04	1600	4204.1	6709.4	W12899.9	Y43875.9	063	29.0	39.4
0229	APR-04	1743	4208.6	6656.5	W12824.8	Y43884.3	101	44.8	40.5
0230	APR-04	2037	4206.4	6647.4	W12801.0	Y43865.1	062	39.9	39.4
0231	APR-04	2214	4211.2	6600.4	W12609.7	Y43843.3	103	116.2	40.5
0232	APR-05	0125	4146.6	6644.3	W12890.9	Y43766.5	244	36.6	39.4
0233	APR-05	0240	4143.4	6644.9	W12908.9	Y43751.4	210	37.7	39.4
0234	APR-05	0424	4136.8	6654.7	W12979.2	Y43727.1	009	35.3	39.4
0235	APR-05	0539	4141.1	6655.0	W12959.1	Y43748.7	258	34.7	39.2
0236	APR-05	0654	4141.5	6658.2	W12969.8	Y43753.8	276	36.1	39.2
0237	APR-05	0831	4141.5	6710.4	W13018.7	Y43764.5	253	30.3	39.2
0238	APR-05	1105	4142.6	6731.5	W13101.7	Y43790.1	337	29.0	39.2
0239	APR-05	1301	4137.8	6738.1	W13153.5	Y43771.8	305	24.1	39.6
0240	APR-05	1522	4150.0	6741.5	W13107.5	Y43838.5	301	19.7	39.6

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0241	APR-05	1717	4159.0	6748.4	W13092.2	Y43891.9	350	62.1	39.6
0242	APR-05	2004	4207.0	6740.6	W13016.1	Y43923.1	284	103.3	40.1
0243	APR-06	0746	4211.2	6756.8	W13066.1	Y43963.1	262	129.9	40.8
0244	APR-06	1044	4209.1	6759.5	W13090.1	Y43955.3	280	130.4	40.8
0245	APR-06	1349	4154.2	6812.3	W13227.1	Y43893.8	221	116.2	41.0
0246	APR-06	1542	4146.9	6821.7	W13308.8	Y43865.2	235	103.9	40.3
0247	APR-06	1822	4141.6	6802.3	W13243.4	Y43815.8	167	18.3	39.2
0248	APR-06	2153	4120.3	6755.8	W13315.4	Y43694.2	091	19.4	39.2
0249	APR-06	2214	4120.2	6756.4	W13318.4	Y43694.1	319	21.1	
0250	APR-07	0005	4122.2	6809.4	W13368.7	Y43717.2	315	24.1	38.8
0251	APR-07	0130	4128.6	6810.5	W13343.9	Y43754.0	217	25.7	39.0
0252	APR-07	0247	4124.9	6817.7	W13395.1	Y43740.3	258	30.3	38.8
0253	APR-07	0503	4123.7	6837.8	W13497.8	Y43753.9	337	51.4	39.4
0254	APR-07	0624	4130.2	6834.3	W13450.3	Y43787.1	347	59.3	39.7
0255	APR-07	0813	4140.9	6837.5	W13414.7	Y43850.7	292	93.2	40.1
0256	APR-07	1007	4147.2	6841.0	W13401.9	Y43889.7	230	94.1	40.3
0257	APR-07	1323	4141.3	6908.4	W13571.2	Y43889.5	339	99.5	39.2
0258	APR-07	1610	4158.0	6923.2	W13569.9	Y44003.2	003	113.7	40.3
0259	APR-07	1756	4202.7	6912.4	W13487.3	Y44014.5	147	106.9	40.3
0260	APR-07	1923	4200.2	6909.6	W13484.7	Y43997.2	169	114.6	40.1
0261	APR-07	2203	4202.1	6848.9	W13366.7	Y43980.1	051	82.6	40.3
0262	APR-08	0006	4211.4	6842.9	W13287.8	Y44021.2	276	115.6	40.5
0263	APR-08	0240	4213.3	6907.2	W13404.4	Y44064.7	289	107.4	40.3
0264	APR-08	0611	4233.7	6931.1	W13426.9	Y44206.9	187	155.3	41.9
0265	APR-08	0913	4222.3	6938.5	W13530.8	Y44159.3	165	136.7	43.0
0266	APR-08	1122	4213.9	6927.7	W13513.7	Y44097.3	229	120.3	40.8
0267	APR-08	1443	4151.8	6954.7	W13776.9	Y44012.3	170	16.1	37.2
0268	APR-08	1726	4134.2	6930.5	W13722.7	Y43875.5	110	33.1	38.7
0269	APR-08	1756	4133.8	6929.8	W13720.5	Y43872.2	308	33.6	
0270	APR-13	2145	4242.2	6857.2	W13191.2	Y44197.4	357	82.8	39.4
0271	APR-14	0016	4254.7	6850.5	W13081.9	Y44247.1	187	98.7	39.6
0272	APR-14	0407	4309.0	6834.1	W12909.5	Y44287.8	171	98.7	43.0
0273	APR-14	0730	4302.7	6816.3	W12860.4	Y44233.8	210	105.3	41.9
0274	APR-14	0937	4253.6	6821.2	W12939.8	Y44199.4	207	103.3	41.5
0275	APR-14	1217	4250.6	6808.3	W12896.0	Y44167.5	212	101.2	45.5
0276	APR-14	1540	4231.2	6814.4	W13038.2	Y44083.5	043	102.8	41.2
0277	APR-14	1725	4236.6	6804.8	W12961.4	Y44097.2	077	97.1	43.5
0278	APR-14	2057	4243.4	6731.5	W12773.6	Y44086.4	124	111.0	46.9
0279	APR-15	0005	4236.8	6714.7	W12742.6	Y44036.0	017	152.6	47.8
0280	APR-15	0137	4241.8	6713.8	W12710.2	Y44057.8	348	119.2	47.5
0281	APR-15	0418	4256.9	6717.6	W12636.7	Y44129.7	052	146.8	46.6
0282	APR-15	0630	4304.1	6707.2	W12552.2	Y44148.1	116	116.2	46.6
0283	APR-15	0939	4302.7	6639.9	W12459.7	Y44109.4	214	81.7	41.2
0284	APR-15	1303	4320.0	6649.4	W12388.5	Y44192.7	017	98.7	43.5
0285	APR-15	1544	4318.6	6634.4	W12345.2	Y44169.1	035	58.8	37.0
0286	APR-16	0019	4324.8	6614.1	W12242.8	Y44170.1	359	39.9	34.5
0287	APR-16	1956	4344.7	6631.1	W12172.2	Y44267.9	330	58.8	36.0
0288	APR-17	0226	4345.7	6658.4	W12256.1	Y44306.2	014	98.4	42.8

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0289	APR-17	0651	4346.2	6705.3	W12277.7	Y44317.2	218	95.7	43.2
0290	APR-17	0929	4336.4	6724.9	W12416.7	Y44305.0	014	122.5	45.3
0291	APR-17	1113	4341.4	6723.0	W12376.7	Y44322.1	003	116.2	45.3
0292	APR-17	1306	4351.3	6715.7	W12281.8	Y44350.5	065	99.8	45.7
0293	APR-17	1607	4400.9	6642.9	W12104.0	Y44343.3	042	58.5	37.6
0294	APR-17	1749	4411.9	6642.2	W12028.6	Y44382.2	028	102.5	40.1
0295	APR-17	2001	4414.2	6656.1	W12056.6	Y44408.5	002	97.1	37.2
0296	APR-17	2200	4421.4	6658.3	W12013.4	Y44437.2	089	71.6	40.8
0297	APR-18	0336	4414.3	6750.3	W12259.5	Y44484.6	095	47.8	36.5
0298	APR-18	0616	4404.6	6734.1	W12261.9	Y44426.0	205	117.6	45.1
0299	APR-18	1022	4342.4	6803.7	W12543.4	Y44383.6	250	96.5	43.0
0300	APR-18	1306	4357.1	6821.1	W12523.8	Y44467.0	174	60.4	36.5
0301	APR-18	1526	4355.1	6837.1	W12617.7	Y44484.5	017	49.2	36.7
0302	APR-18	1931	4336.2	6842.9	W12778.1	Y44418.1	343	85.8	37.9
0303	APR-19	0031	4328.3	6932.6	W13107.2	Y44467.3	072	87.2	39.2
0304	APR-19	0306	4316.2	6920.0	W13111.2	Y44392.9	223	94.9	39.4
0305	APR-19	0456	4309.6	6930.5	W13212.5	Y44380.8	355	76.8	39.2
0306	APR-19	0634	4316.9	6937.6	W13209.2	Y44425.8	295	88.3	39.0
0307	APR-19	0925	4329.1	6957.0	W13249.4	Y44514.3	235	64.0	37.2
0308	APR-19	1111	4330.4	7001.7	X25935.9	Y44528.6	222	61.5	37.0
0309	APR-19	1327	4314.6	7002.7	X25851.3	Y44460.1	186	69.4	37.9
0310	APR-19	1458	4315.7	7008.1	X25883.1	Y44475.1	228	74.6	37.9
0311	APR-19	1633	4311.1	7018.4	X25907.8	Y44473.4	225	58.8	37.2
0312	APR-19	1947	4251.7	7042.3	X25926.8	Y44424.4	177	26.0	38.3
0313	APR-19	2233	4254.1	7019.0	X25809.8	Y44392.4	107	92.4	38.5
0314	APR-20	0032	4257.0	7008.9	X25776.7	Y44388.6	263	77.9	37.6
0315	APR-20	0210	4253.9	7004.6	X25736.3	Y44365.2	043	51.7	37.6
0316	APR-20	0435	4246.0	6949.1	W13462.0	Y44299.4	194	127.1	41.7
0317	APR-20	0655	4236.6	7008.5	X25645.6	Y44284.5	230	44.0	38.1
0318	APR-20	0915	4233.0	7021.7	X25691.7	Y44288.6	152	68.4	38.3
0319	APR-20	1102	4233.7	7026.7	X25724.4	Y44301.3	142	62.6	38.1
0320	APR-20	1342	4226.6	7049.8	X25824.4	Y44304.9	048	22.7	37.9
0321	APR-20	1541	4217.9	7050.5	X25777.1	Y44256.7	063	10.1	43.5
0322	APR-20	1719	4220.5	7039.5	X25718.0	Y44251.2	068	36.1	37.6
0323	APR-20	1843	4222.7	7031.1	X25679.7	Y44249.0	187	50.0	37.4
0324	APR-20	2031	4212.0	7028.0	X25590.2	Y44183.0	334	35.8	37.4
0325	APR-20	2237	4202.3	7022.4	X25489.7	Y44117.0	349	31.7	37.6
0326	APR-20	2347	4204.0	7024.6	X25514.8	Y44130.4	169	31.2	37.6
0327	APR-21	0101	4200.5	7027.9	X25512.4	Y44115.3	332	24.6	38.5
0328	APR-21	0215	4158.3	7032.5	X25528.8	Y44109.7	147	17.8	39.7
0329	APR-21	0357	4150.8	7029.3	X25457.7	Y44059.1	342	10.7	41.7
0330	APR-21	0559	4157.7	7013.9	X25407.2	Y44076.6	221	19.1	40.5
0331	APR-21	1927	4123.8	7123.0	X25785.6	Y43966.4	081	18.0	39.2
0332	APR-21	2117	4119.8	7124.7	X25789.6	Y43940.8	001	18.9	38.5

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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	1	0	0	0	0	0	0	9	0	0	0	0	1	16	0	0	0	0	0	8	881	916
2	231	0	0	0	7	0	0	0	1	4	0	0	0	0	4	0	0	0	0	0	0	4	2	14	35	302
3	0	0	0	0	1	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	40	126	171
4	0	0	0	2	2	0	0	0	0	1	0	25	0	0	0	0	0	2	0	0	0	2	0	11	660	705
5	622	0	36	41	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	9	0	0	61	772
6	869	0	11	1	1	0	0	1	0	0	0	9	0	0	0	0	2	0	0	0	0	0	18	0	24	936
7	141	0	0	0	4	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	5	26	184
8	50	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	55
9	36	0	0	0	1	0	0	0	0	0	0	7	0	0	0	0	0	1	0	0	0	0	0	2	89	136
10	396	0	5	0	0	0	0	0	0	0	0	7	0	0	0	0	1	3	0	0	0	0	0	1	36	449
11	463	0	3	23	0	0	0	0	0	0	0	8	0	0	0	0	303	0	0	0	0	0	0	1	14	815
12	250	0	1	2	0	0	0	0	0	0	0	10	0	0	0	0	8	0	0	0	0	0	0	1	7	279
13	7	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	7	0	0	0	0	0	7	227	251
14	807	0	0	0	14	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	10	1	31	43	907
15	64	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	5	0	0	0	0	0	0	6	8	94
16	7	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	21	37	73
17	2183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	0	0	0	0	106	26	2327
18	801	0	1	0	0	0	0	0	0	0	0	36	0	0	0	0	8	127	0	0	0	0	0	3	100	1076
19	148	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	1	1	167
20	34	0	4	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	6	48
21	171	0	1	0	0	0	0	0	0	0	0	17	0	0	0	1	0	0	0	0	0	0	0	0	6	196
22	1437	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	177	97	1721
23	884	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	749	0	0	0	0	0	34	7	1677
24	427	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	6	437
25	461	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	89	0	0	0	0	0	1	7	584
26	4908	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	443	0	0	0	0	0	25	293	5692
27	625	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	36	0	0	0	0	0	4	13	691
28	939	0	0	0	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	30	0	1	56	1031
29	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	78
30	72	0	0	17	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	12	102

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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
31	51	3	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	7	65
32	69	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	22	92
33	84	10	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	97
34	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	332
35	248	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	71	0	0	0	0	0	0	0	325
36	1755	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	1794
37	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4539	4540
38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	327	327
39	539	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	236	776
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	563	565
41	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	2	1262	1271
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	1564	1565
43	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	4	298	309
44	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	344	346
45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	165	170
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	36	52
47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	269	270
48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	37	41
49	3556	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	957	4527
50	444	0	0	2	0	0	0	0	0	0	0	4	0	0	0	0	7	0	0	0	0	0	0	0	1	458
51	232	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	267
52	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	137
53	116	0	0	41	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	30	188
54	226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	226
55	314	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	18	341
56	149	0	0	4	0	0	0	0	0	0	0	5	0	0	0	0	1	0	0	0	0	0	0	0	24	183
57	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	6	20
58	34	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	38
59	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	27	31
60	8	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	23

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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
61	20	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	1	27
62	17	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	21
63	21	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	31
64	11	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
65	28	0	2	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	78
66	8	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18
67	0	27	51	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	82
68	0	15	95	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	113
69	0	7	16	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	28
70	0	0	6	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	9
71	0	0	17	0	0	0	0	0	0	0	0	0	0	5	0	1	0	0	0	0	0	0	0	0	1	24
72	0	14	23	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	2	42
73	0	8	31	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	42
74	0	0	0	3	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	3	12	1	0	0	4	27
75	0	0	2	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	6	0	0	0	4	16
76	0	0	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	3	0	0	0	2	11
77	0	0	0	12	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	1	20
78	0	3	10	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	17	34
79	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	14
80	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	1	4
81	0	45	233	0	0	0	0	0	0	0	0	0	0	25	0	11	0	0	0	0	0	0	0	0	0	314
82	0	14	235	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	256
83	0	3	4	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11	22
84	0	37	177	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	0	0	0	0	222
85	0	24	52	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	79
86	0	82	823	0	0	0	0	0	0	0	0	0	0	6	0	15	0	0	0	0	7	0	0	0	19	952
87	0	81	646	0	0	0	0	0	0	0	0	0	0	17	0	8	0	0	0	0	1	0	0	0	1	754
88	0	25	174	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	4	0	0	0	6	211
89	0	57	191	0	0	0	0	0	0	0	0	0	0	36	0	8	0	0	0	0	0	0	0	0	1	293
90	0	13	49	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	66

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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
91	0	51	246	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	303
92	0	9	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1	0	0	1	214
93	2	29	248	6	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	2	293
94	13	0	5	58	0	0	0	0	0	0	0	0	0	0	0	0	207	0	0	0	7	0	0	0	28	318
95	101	0	1	27	0	0	0	0	0	0	0	0	0	0	0	0	147	0	0	0	4	0	0	0	86	366
96	34	0	0	70	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	108
97	0	19	265	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	0	2	292
98	0	6	21	13	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	43
99	0	7	14	10	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	35
100	0	0	18	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	22
101	0	1	62	8	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	8	0	0	0	0	83
102	0	0	199	8	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	0	0	0	213
103	0	3	566	0	0	0	0	0	0	0	0	0	0	9	0	24	0	0	0	0	0	0	1	0	0	603
104	0	3	202	1	0	0	0	0	0	0	0	0	0	4	0	5	0	0	0	0	0	0	0	0	0	215
105	0	2	73	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	8	0	0	0	1	91
106	6	3	69	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
107	49	0	56	10	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	3	0	0	0	8	135
108	98	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	101	0	0	0	0	0	0	0	5	205
109	0	17	309	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	0	0	1	332
110	0	3	155	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	162
111	3	4	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136
112	31	2	206	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	240
113	0	65	81	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	1	150
114	4	13	400	3	0	0	0	0	0	0	0	0	0	19	0	14	0	0	0	0	0	0	0	0	1	454
115	0	12	454	0	0	0	0	0	0	0	0	0	0	3	0	58	0	0	0	0	0	0	0	0	11	538
116	0	20	148	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	37	219
117	4	5	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
118	0	32	52	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	15	120
119	0	95	325	0	0	0	0	0	0	0	0	2	0	0	0	38	0	0	0	0	0	0	0	0	74	534
120	7	9	24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	56	97

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
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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
121	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	8	17
122	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5
123	0	3	12	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	2	23
124	0	3	46	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	51
125	0	20	50	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	72
126	0	43	248	0	0	0	0	0	0	0	0	2	0	0	0	13	0	0	0	0	0	0	0	0	41	347
127	0	28	105	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	136
128	0	16	39	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	57
129	8	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	21
130	4	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18
131	0	0	1	15	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	17
132	8	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	135
133	0	3	68	2	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	4	80
134	0	0	10	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6	18
135	1027	0	5	51	0	0	0	0	0	0	0	0	0	0	0	0	420	0	0	0	0	0	0	0	5	1508
136	31	3	84	0	1	0	0	0	0	0	0	2	0	0	0	1	4	0	0	0	0	0	0	0	0	126
137	37	0	112	2	1	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	1	158
138	113	0	2	7	0	0	0	0	0	0	0	0	0	0	0	0	126	0	0	0	0	0	0	0	4	252
139	111	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	134	0	0	0	0	0	0	0	3	251
140	159	0	0	6	0	0	0	0	0	0	0	3	0	0	0	0	306	0	0	0	0	0	0	0	9	483
141	424	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	26	0	0	0	0	0	0	0	1	454
142	181	0	0	59	0	0	0	0	0	0	0	2	0	0	0	0	162	0	0	0	0	0	0	0	5	409
143	0	1	46	1	2	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	64	116
144	0	0	5	1	4	0	0	0	0	7	0	14	0	0	0	0	3	0	0	0	0	0	0	0	51	85
145	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	17	13	33
146	0	0	0	1	6	0	1	0	0	1	0	111	0	0	0	0	0	0	0	0	0	0	0	4	64	188
147	21	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	28
148	76	0	3	5	0	0	0	0	0	0	0	1	0	0	0	0	33	0	0	0	2	0	0	0	6	126
149	4	0	1	6	1	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	3	19
150	4	0	1	59	1	0	0	0	0	0	0	7	0	0	0	0	1	0	0	0	1	0	0	0	4	78

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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
151	5	0	0	5	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	16	28
152	6	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	3	15
153	0	0	0	0	10	0	0	0	0	13	0	23	0	0	0	0	0	1	0	0	0	0	0	3	157	207
154	8	0	3	0	2	0	0	0	0	7	0	2	0	0	0	0	0	0	0	0	0	8	0	0	41	71
155	0	0	0	2	2	0	0	0	0	1	0	4	0	0	0	0	0	0	0	0	0	1	0	0	22	32
156	0	7	7	1	9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	19	44
157	0	1	0	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	5	17
158	0	7	1	6	2	0	0	0	0	0	0	10	1	0	0	0	0	0	0	0	1	0	0	0	3	31
159	0	0	3	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	3	13
160	0	0	0	1	2	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	7	2	0	4	24
161	21	30	0	22	9	0	1	0	0	2	0	7	0	0	0	0	0	0	0	0	0	0	1	2	23	118
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	73	11	90
163	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	21	54
164	11	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	7	8	0	9	39
165	4	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	11	1	21
166	0	12	1	1	0	0	1	0	0	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	8	30
167	0	65	0	12	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	83
168	0	3	14	0	0	37	0	1	0	0	0	1	3	27	0	0	0	0	0	0	0	0	0	0	8	94
169	0	21	33	0	0	0	0	0	0	0	0	0	4	6	0	2	0	0	0	0	4	0	0	0	0	70
170	0	11	26	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	43
171	0	10	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	37
172	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3
173	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
174	0	1	3	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	5	20
175	28	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5	0	0	0	0	1	36
176	93	0	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	1	133
177	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	2	38
178	0	7	25	2	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	38
179	0	0	20	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	22
180	0	1	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	7

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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
181	0	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	10	16
182	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	0	0	2	0	7	14
183	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	4	0	0	1	0	1	9
184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	27
185	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	13	17
186	0	0	0	1	0	0	0	2	0	0	0	0	0	7	0	0	0	0	0	32	9	0	0	0	7	58
187	5	0	0	0	0	7	2	0	0	0	0	0	0	5	0	0	0	0	0	30	0	0	0	0	4	53
188	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	13	0	0	0	0	3	17
189	0	1	22	0	0	0	15	0	0	0	0	0	2	4	0	1	0	0	0	5	0	0	0	0	9	59
190	0	0	37	3	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	2	51
191	0	4	80	2	0	0	8	0	0	0	0	0	4	7	0	2	0	0	0	8	0	0	7	0	5	127
192	3	7	14	2	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	2	0	0	0	0	4	38
193	0	33	37	0	0	0	6	0	0	0	0	0	3	0	0	1	0	0	0	10	0	0	0	0	4	94
194	16	4	1	5	1	0	3	0	0	0	0	1	7	0	0	0	3	0	0	2	0	0	0	0	1	44
195	2	0	0	1	1	0	4	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	11	22
196	1634	0	0	0	10	0	0	0	0	1	0	38	0	0	0	0	0	13	0	0	0	0	0	24	71	1791
197	0	0	0	0	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	8	28
198	11	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	9	0	1	8	32
199	0	94	4	0	2	0	2	0	0	0	0	0	4	0	1	2	1	0	0	1	0	0	0	0	1	112
200	0	33	0	0	3	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	44
201	0	71	1	0	1	0	0	0	1	2	0	2	0	0	0	0	0	0	0	0	0	2	0	0	27	107
202	0	0	0	0	2	0	0	0	8	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	48	65
203	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	4
204	0	0	0	21	0	3	2	0	0	0	0	0	0	0	1	0	1	0	0	5	2	0	0	0	6	41
205	13	0	0	7	0	0	10	0	0	0	0	0	1	0	0	0	0	0	0	2	7	0	0	0	0	40
206	0	0	3	27	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	2	0	0	35
207	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
208	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	9	18
209	0	69	94	12	0	22	15	0	0	0	0	0	2	0	0	10	0	0	0	18	5	0	0	0	9	256
210	0	91	52	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	16	0	0	0	0	0	163

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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
211	0	26	48	0	0	0	0	0	0	0	1	0	0	0	0	4	0	0	0	19	0	0	0	0	98	196
212	6	2	17	0	1	0	118	0	0	0	0	0	8	0	0	3	0	0	0	12	1	0	0	0	13	181
213	0	7	5	0	0	0	2	0	0	0	0	1	5	0	0	6	0	0	0	6	0	0	0	0	7	39
214	8	13	0	5	0	0	1111	0	5	0	0	0	0	0	0	0	0	0	0	4	3	0	0	1	9	1159
215	32	0	0	0	0	12	25	0	0	0	0	0	7	0	0	0	0	0	0	1	2	0	0	0	7	86
216	450	0	0	0	0	0	39	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	494
217	0	0	0	0	0	0	158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	159
218	4	0	0	0	0	3	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	20	74
219	0	0	0	0	0	97	649	0	0	0	7	0	21	13	0	0	0	0	0	4	0	0	0	0	11	802
220	0	21	24	0	0	25	648	0	0	0	11	0	43	3	0	0	0	0	0	20	0	0	7	0	40	842
221	0	1	11	0	0	21	13	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	7	0	14	70
222	0	0	0	0	0	597	21	6	0	0	0	0	0	0	0	0	0	0	0	4	28	0	19	0	110	785
223	41	0	0	0	0	33	9	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	12	128
224	330	3	0	0	0	12	3	0	25	2	0	0	0	0	13	0	0	0	2	0	0	10	35	0	28	463
225	2	0	0	0	13	0	0	0	65	0	0	0	0	0	2	0	0	0	24	0	0	51	46	0	38	241
226	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
227	90	0	0	0	2	0	0	0	77	0	0	0	0	0	2	0	0	0	4	0	0	9	33	0	30	247
228	0	0	0	0	0	162	1890	3	0	0	0	0	2	0	0	0	0	0	0	10	0	0	0	0	25	2092
229	0	19	7	0	0	2864	95	3	0	0	0	0	16	5	0	0	0	0	0	3	6	0	20	0	183	3221
230	0	10	9	0	0	123	94	1	0	0	0	0	3	4	0	0	0	0	0	14	9	0	0	0	168	435
231	4	13	0	2	1	0	0	0	0	2	0	0	0	0	1	0	0	0	3	0	0	14	6	0	2	48
232	0	38	20	0	0	0	196	0	0	0	2	0	4	0	0	1	0	0	0	2	0	0	0	0	0	263
233	0	48	60	0	0	6	81	0	0	0	1	0	1	6	0	0	0	0	0	3	0	0	0	0	0	206
234	0	11	31	0	0	5	458	0	0	0	1	0	8	3	0	1	0	0	0	2	0	0	0	0	520	1040
235	0	10	19	0	0	0	533	0	0	0	2	0	17	0	0	4	0	0	0	8	0	0	0	0	0	593
236	0	25	10	0	0	11	204	0	0	0	5	0	13	3	0	1	0	0	0	9	0	0	0	0	281	562
237	0	0	0	2	0	15	291	0	0	0	1	0	6	0	0	0	0	0	0	10	0	0	0	0	0	325
238	0	0	4	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	63	0	0	2	0	33	110
239	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	2	7
240	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	1	31

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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
241	0	41	23	2	2	0	4	0	0	0	3	0	0	0	0	0	0	0	0	4	5	0	0	0	13	97
242	0	1	0	0	10	15	0	0	0	1	3	0	0	0	9	0	0	0	5	0	0	1	20	0	2	67
243	0	0	0	0	6	0	0	1	1	4	0	0	0	0	3	0	0	0	0	0	0	0	20	0	5	40
244	0	0	0	0	1	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	10	0	8	23
245	11	0	0	0	0	0	4	0	3	4	3	0	0	0	2	0	0	0	0	0	0	0	0	0	5	32
246	0	21	0	0	0	10	2	0	2	9	8	0	0	0	13	0	0	0	0	0	0	6	0	0	9	80
247	0	0	7	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	13
248	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4	8
249	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	21	42
250	0	4	10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	15
251	0	24	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	53
252	0	17	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	97
253	0	0	10	0	1	0	16	0	0	0	3	0	0	0	0	0	0	0	0	7	0	0	0	0	3	40
254	13	0	0	1	1	0	0	0	0	1	6	0	0	0	0	0	0	0	0	15	0	3	0	0	4	44
255	0	11	0	0	1	0	2	0	0	1	2	0	0	0	9	0	0	0	0	0	0	0	0	0	6	32
256	20	12	0	0	32	0	0	21	0	35	1	0	0	0	2	0	0	0	0	0	0	0	0	0	9	132
257	15	44	0	0	0	4	0	0	0	2	1	0	0	0	2	0	0	0	4	0	3	0	0	0	6	81
258	22	12	0	0	2	0	4	0	0	7	1	0	0	0	1	0	0	0	3	0	0	6	0	0	3	61
259	0	0	0	0	1	0	0	17	0	9	2	0	0	0	9	0	0	0	1	0	0	5	0	0	5	49
260	17	125	0	0	1	0	0	0	3	5	1	0	0	0	3	0	0	0	0	0	0	3	0	0	2	160
261	4	0	0	0	7	0	0	0	0	1	2	0	0	0	2	0	0	0	78	0	0	4	0	0	5	103
262	17	0	0	0	0	0	12	0	2	4	1	0	0	0	2	0	0	0	0	0	0	0	1	0	4	43
263	53	0	0	0	5	0	0	0	1	1	1	0	0	0	0	0	0	0	261	0	0	0	0	0	4	326
264	71	0	0	0	2	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	107
265	97	0	0	0	27	0	0	0	7	11	4	0	0	0	0	0	0	0	0	0	0	31	0	0	1	178
266	89	0	0	0	2	0	0	0	5	17	2	0	0	0	1	0	0	0	2848	0	0	0	0	0	0	2964
267	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
268	0	0	0	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
269	0	0	0	1	0	6	0	5	0	0	0	0	0	0	0	0	0	0	0	83	3	0	5	0	36	139
270	0	0	0	0	3	10	0	0	1	5	6	0	0	0	10	0	0	0	77	0	0	0	2	0	9	123

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
ALBATROSS IV MAR 2 - APR 22, 2004
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
271	54	0	0	0	4	0	1	0	0	1	10	0	0	0	6	0	0	0	3	0	0	1	2	0	21	103
272	6	0	0	0	13	0	0	0	0	1	7	0	0	0	3	0	0	0	0	0	0	3	13	0	6	52
273	12	0	0	0	9	0	0	0	0	2	0	0	0	0	4	0	0	0	464	0	1	0	25	0	3	520
274	17	0	0	0	11	0	4	10	2	2	1	0	0	0	1	0	0	0	851	0	1	30	3	0	5	938
275	27	0	0	0	30	0	0	0	3	10	0	0	0	0	3	0	0	0	8	0	0	3	0	0	2	86
276	97	0	0	1	17	0	2	7	14	14	2	0	0	0	7	0	0	0	504	0	2	53	4	0	12	736
277	71	0	0	0	4	0	0	0	2	5	0	0	0	0	0	0	0	0	438	0	0	0	4	0	10	534
278	13	0	0	0	2	4	0	11	13	1	0	0	0	0	1	0	0	0	3	0	0	11	6	0	10	75
279	92	0	0	1	18	0	0	0	17	0	1	0	0	0	1	0	0	0	0	0	0	26	3	0	5	164
280	61	0	0	0	6	2	4	27	2	1	0	0	0	0	3	0	0	0	132	0	0	0	2	0	21	261
281	43	0	0	0	2	0	0	0	224	1	0	0	0	0	2	0	0	0	0	0	0	47	15	0	6	340
282	152	0	0	0	10	22	10	0	18	2	0	0	0	0	1	0	0	0	3	0	0	0	11	0	6	235
283	0	0	0	2	0	4	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	34
284	0	0	0	0	5	13	14	0	3	5	0	0	0	0	7	0	0	0	9	0	0	0	42	0	1	99
285	0	0	2	1	0	0	0	0	0	0	2	0	2	47	0	0	0	0	0	3	0	0	7	0	7	71
286	0	0	0	0	0	1	0	0	0	0	1	0	0	5	0	0	0	0	0	8	0	0	29	0	72	116
287	0	5	14	0	0	0	0	0	0	0	1	0	0	13	0	0	0	0	0	8	0	0	18	0	15	74
288	0	0	0	0	0	11	25	6	5	1	0	0	0	0	0	0	0	0	231	1	0	0	3	0	6	289
289	0	0	0	0	3	19	2	0	3	2	0	0	0	0	2	0	0	0	169	1	0	0	19	0	13	233
290	72	0	0	0	2	0	0	7	38	13	2	0	0	0	2	0	0	0	6	0	0	0	6	0	0	148
291	37	0	0	0	8	0	0	0	49	14	1	0	0	0	2	0	0	0	24	0	2	4	6	0	0	147
292	77	0	0	0	4	38	0	25	62	23	5	0	0	0	17	0	0	0	0	0	0	0	5	0	8	264
293	0	0	1	0	0	0	0	0	0	0	1	0	1	17	0	0	0	0	0	11	0	0	15	0	135	181
294	0	0	0	0	0	9	9	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	7	0	24	59
295	0	0	0	0	0	110	0	0	1	0	0	0	0	9	7	0	0	0	15	0	0	0	14	0	45	201
296	0	0	0	0	0	6	0	0	2	0	0	0	0	2	0	0	0	0	0	1	0	0	8	0	42	61
297	0	0	0	265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	269
298	0	0	0	2	1	0	0	10	42	1	2	0	0	0	1	0	0	0	2	0	0	0	3	0	3	67
299	0	0	0	0	14	0	0	0	5	3	2	0	0	0	3	0	0	0	1	0	0	0	2	0	24	54
300	0	0	0	9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	14	0	6	32

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
ALBATROSS IV MAR 2 - APR 22, 2004
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

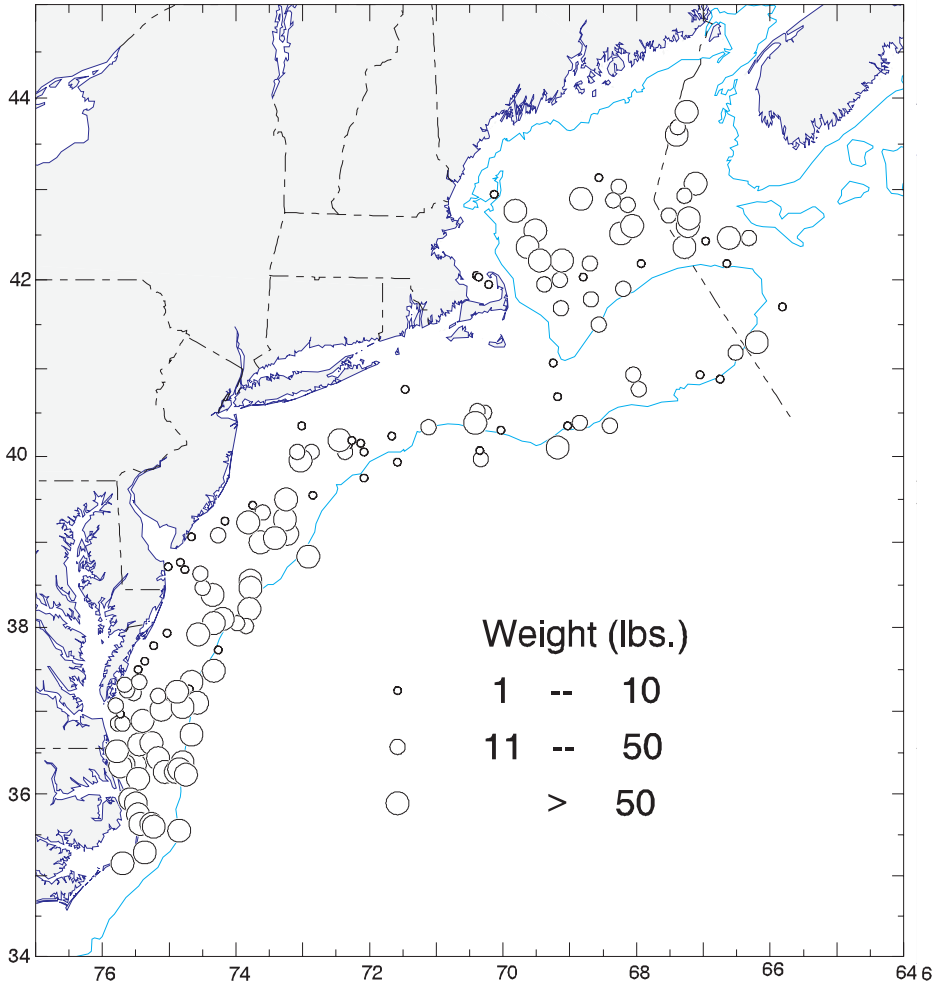
STATION	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
301	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	0	0	10	0	12	55
302	0	0	0	0	2	0	0	0	2	1	3	0	0	0	1	0	0	0	0	0	0	0	3	0	12	24
303	0	0	0	0	7	0	0	0	1	3	2	0	0	0	3	0	0	0	0	0	0	0	1	0	12	29
304	0	0	0	0	3	0	0	0	0	1	5	0	0	0	5	0	0	0	0	0	0	1	5	0	31	51
305	0	0	0	0	6	17	13	0	0	1	4	0	0	0	0	0	0	0	44	0	0	0	25	0	18	128
306	0	0	0	0	23	0	0	0	0	1	3	0	0	0	3	0	0	0	4	0	0	0	7	0	17	58
307	0	0	0	0	2	2	0	0	0	0	9	0	0	0	2	0	0	0	0	1	1	0	2	0	43	62
308	0	0	0	0	1	16	9	0	0	0	3	0	0	2	0	0	0	0	0	9	0	0	4	0	23	67
309	0	0	0	0	49	0	0	0	0	3	3	0	1	0	2	0	0	0	5	0	0	0	7	0	58	128
310	0	0	0	0	59	0	4	0	0	1	0	0	0	0	3	0	0	0	0	0	0	1	6	0	55	129
311	0	0	0	0	3	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	7	0	16	28
312	0	0	7	6	1	2	0	0	0	1	4	0	5	5	0	0	0	0	0	56	2	0	14	0	21	124
313	0	0	0	0	0	91	0	0	0	2	3	0	0	0	4	0	0	0	643	1	0	0	1	0	18	763
314	6	0	0	0	7	0	0	0	0	7	15	0	1	0	2	0	0	0	3	0	0	2	8	0	43	94
315	0	0	0	0	0	89	13	0	0	0	3	0	1	0	0	0	0	0	1	5	0	7	5	0	36	160
316	122	0	0	0	1	0	0	0	21	16	10	0	0	0	2	0	0	0	0	0	0	12	0	0	1	185
317	0	0	0	0	0	51	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
318	0	0	0	1	4	21	7	0	0	24	34	0	1	1	5	0	0	0	611	2	6	1	6	0	26	750
319	0	0	0	0	4	8	76	0	0	8	84	0	4	21	0	0	0	0	28	1	18	1	2	0	23	278
320	0	0	0	65	1	33	0	0	0	0	46	0	56	61	0	0	0	0	0	18	30	0	5	0	7	322
321	0	0	0	19	0	8	0	0	0	0	0	0	3	31	0	0	0	0	0	8	5	0	8	0	36	118
322	0	0	0	1	1	63	6	0	0	2	225	0	21	70	0	0	0	0	0	2	48	0	9	0	23	471
323	0	0	0	0	1	1	0	0	0	0	102	0	1	9	1	0	0	0	45	0	2	0	3	0	5	170
324	0	0	10	0	1	2	0	0	0	0	17	0	8	5	0	0	0	0	0	1	2	0	8	0	7	61
325	9	2	102	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	2	0	0	19	0	3	140
326	4	4	80	0	1	0	0	0	0	0	4	0	1	3	0	0	0	0	0	1	0	0	7	0	1	106
327	0	12	133	0	0	1	0	0	0	3	2	0	2	6	0	0	0	0	0	17	3	0	11	0	7	197
328	0	2	214	21	0	1	0	0	0	0	0	0	2	4	0	0	0	0	0	34	0	0	27	0	16	321
329	0	0	8	3	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	2	0	0	10	0	1	31
330	4	0	2	0	0	0	0	0	0	0	0	0	0	6	0	1	0	0	0	12	0	0	7	0	7	39

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
ALBATROSS IV MAR 2 - APR 22, 2004
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

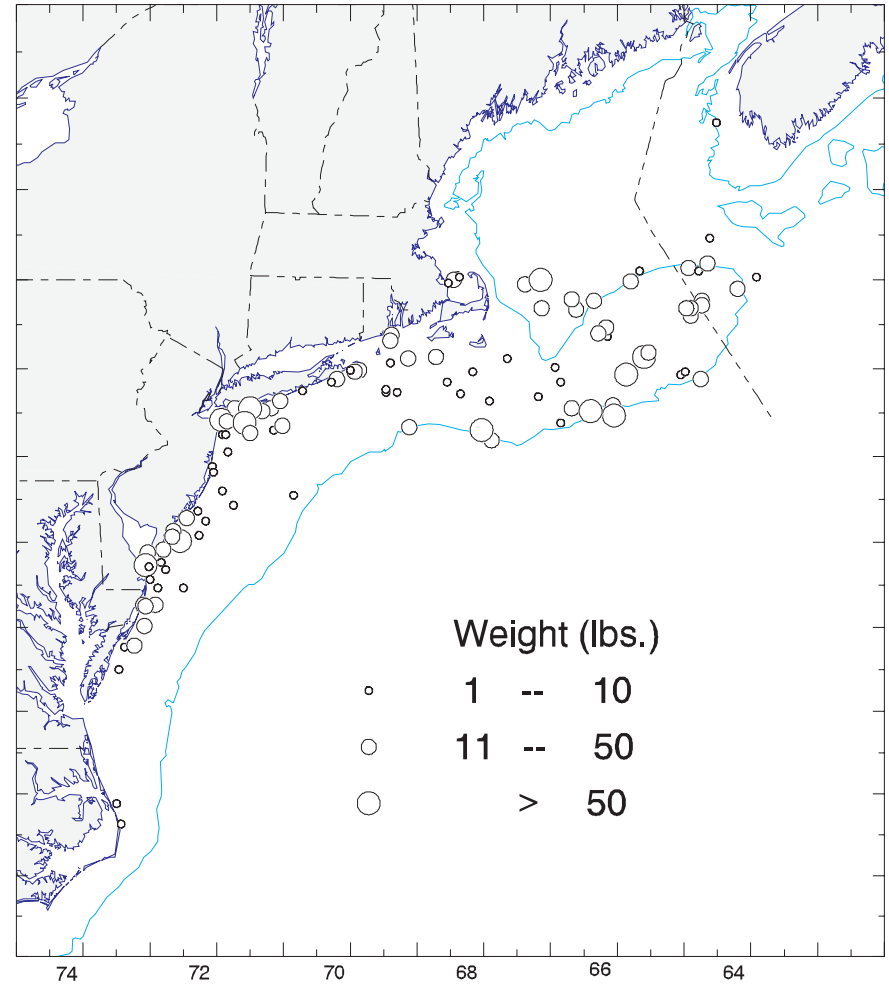
STATION	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
331	0	43	93	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	1	30	0	11	0	5	187
332	0	12	90	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	17	0	15	0	2	140
TOTAL	32341	2252	9997	1377	608	4760	7038	170	768	350	705	586	312	662	200	315	2039	1572	7567	731	357	469	867	711	18094	94848

* "Total other" in southern areas are comprised primarily of rays, large sharks, smooth dogfish, scup, black sea bass and northern searobins.

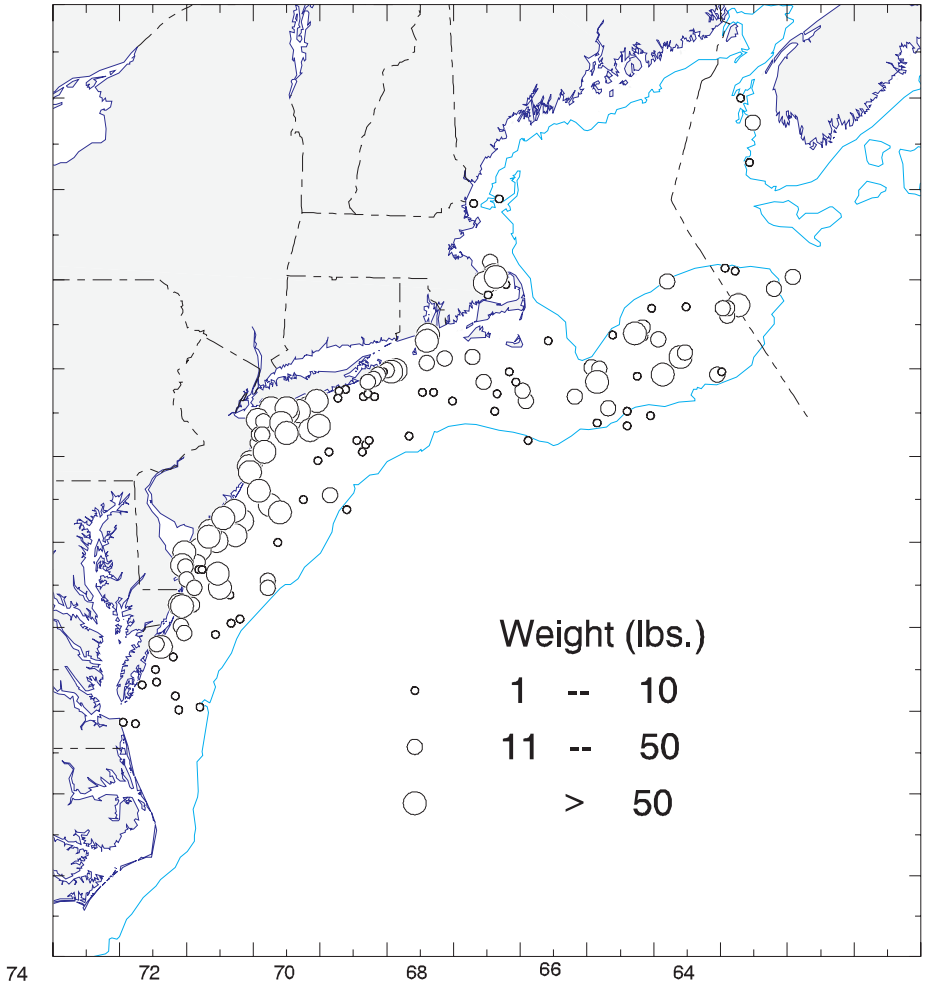
SPINY DOGFISH
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



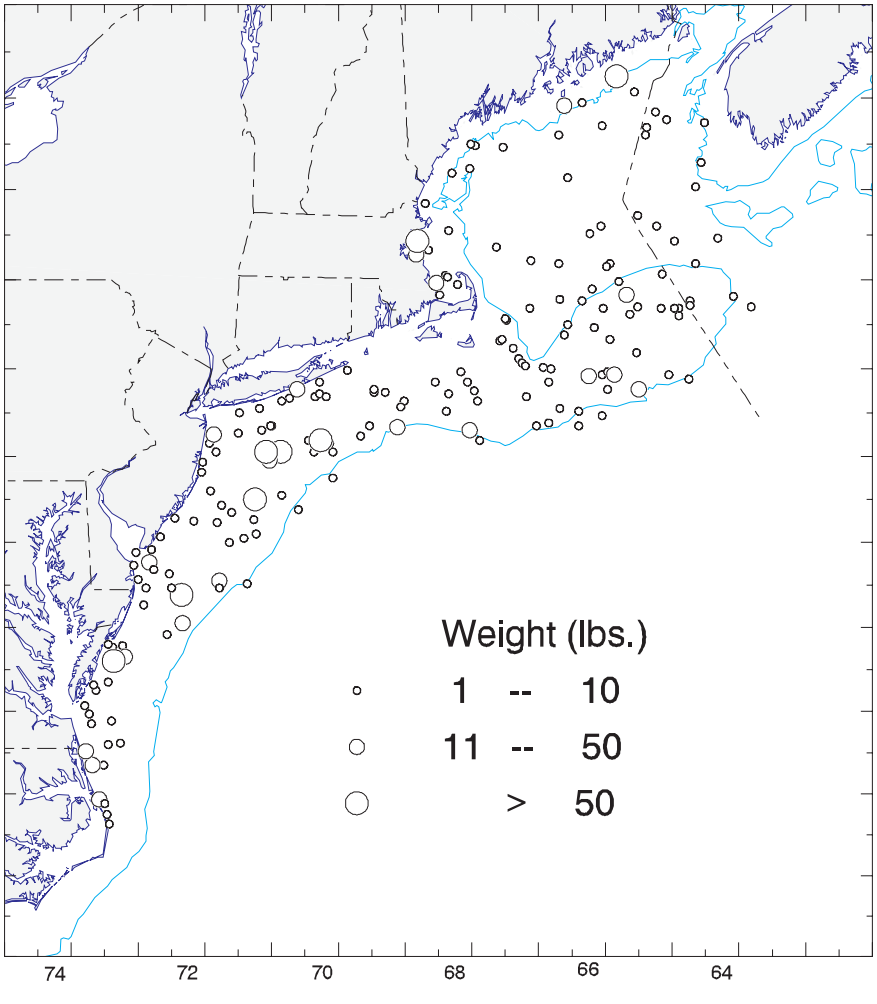
WINTER SKATE
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



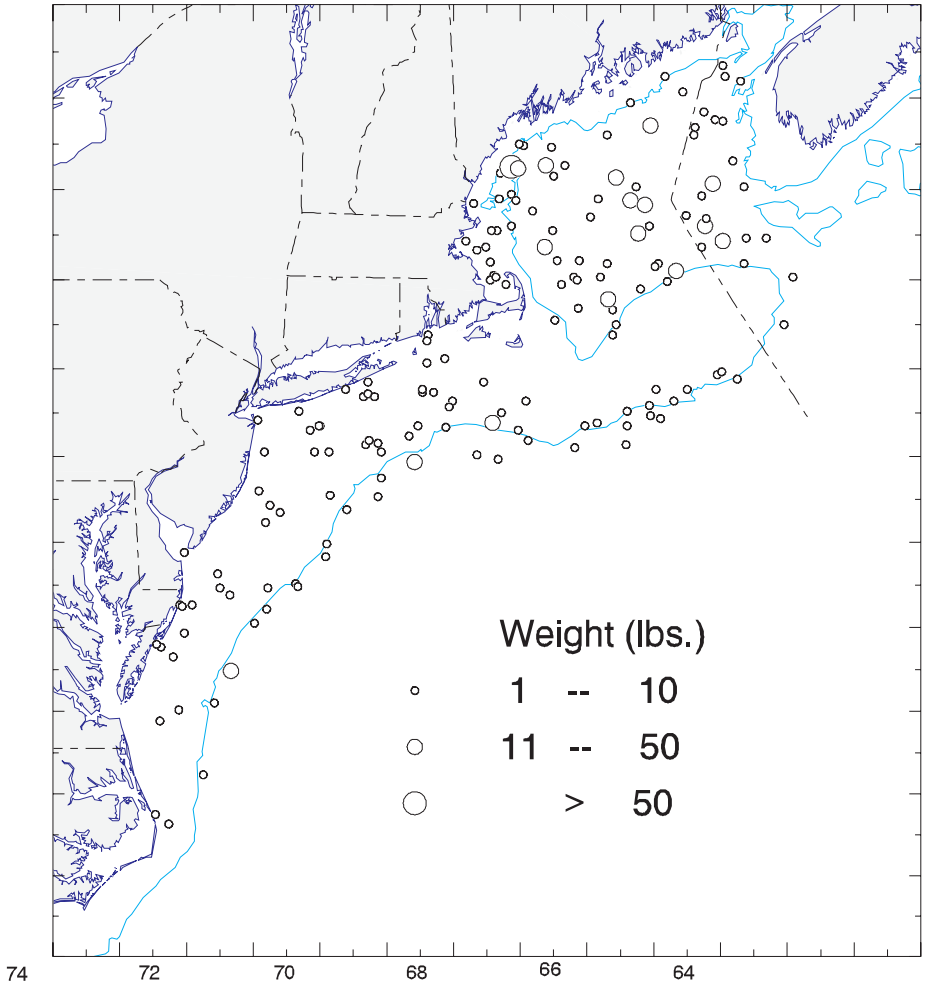
LITTLE SKATE
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



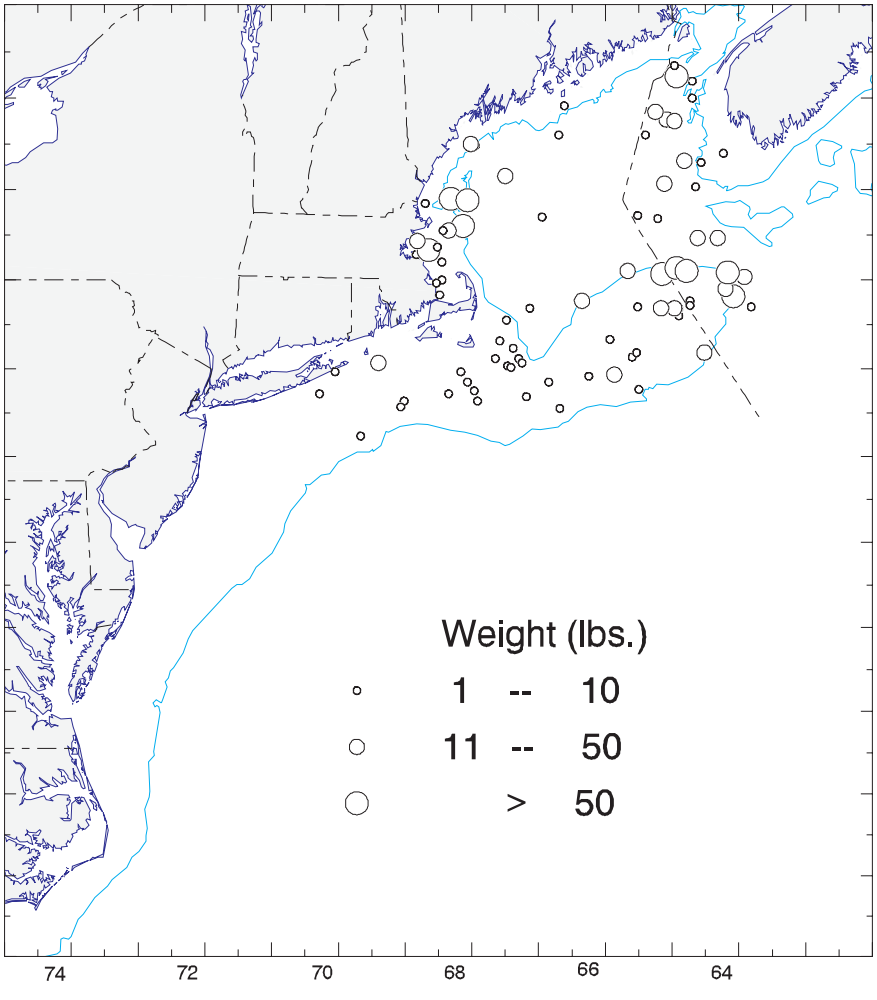
ATLANTIC HERRING
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



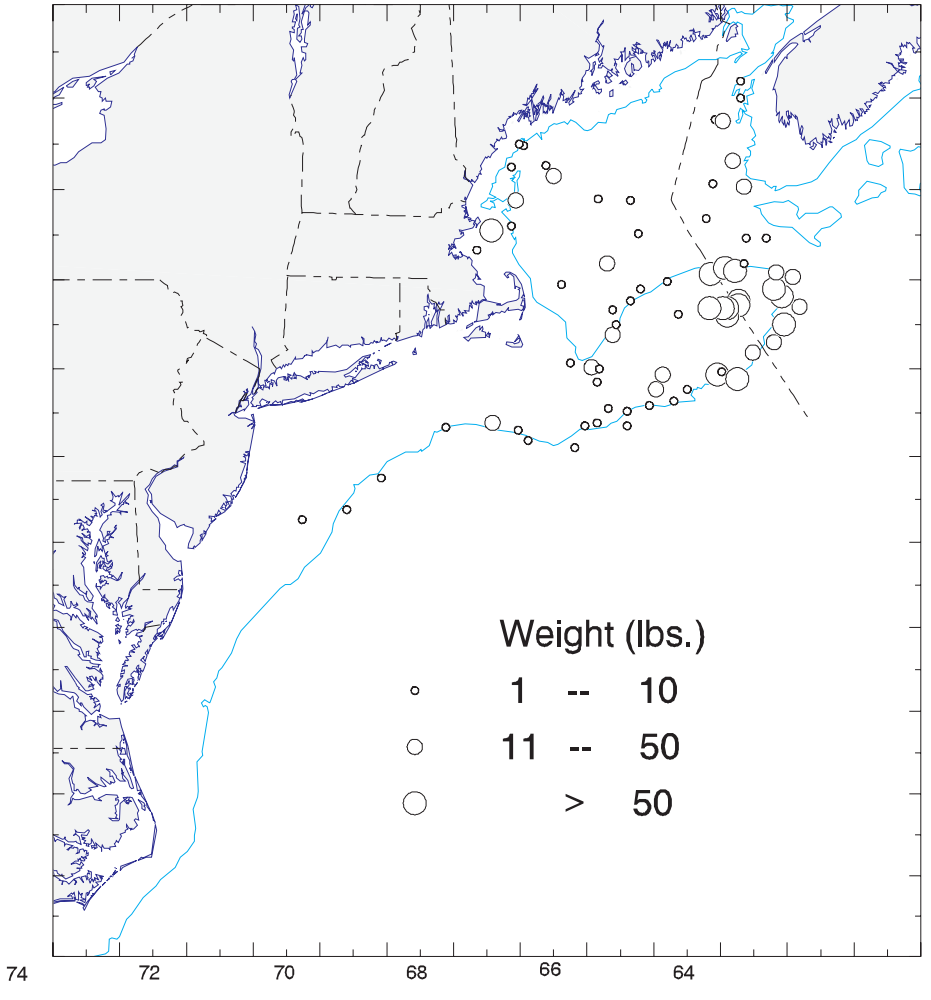
SILVER HAKE
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



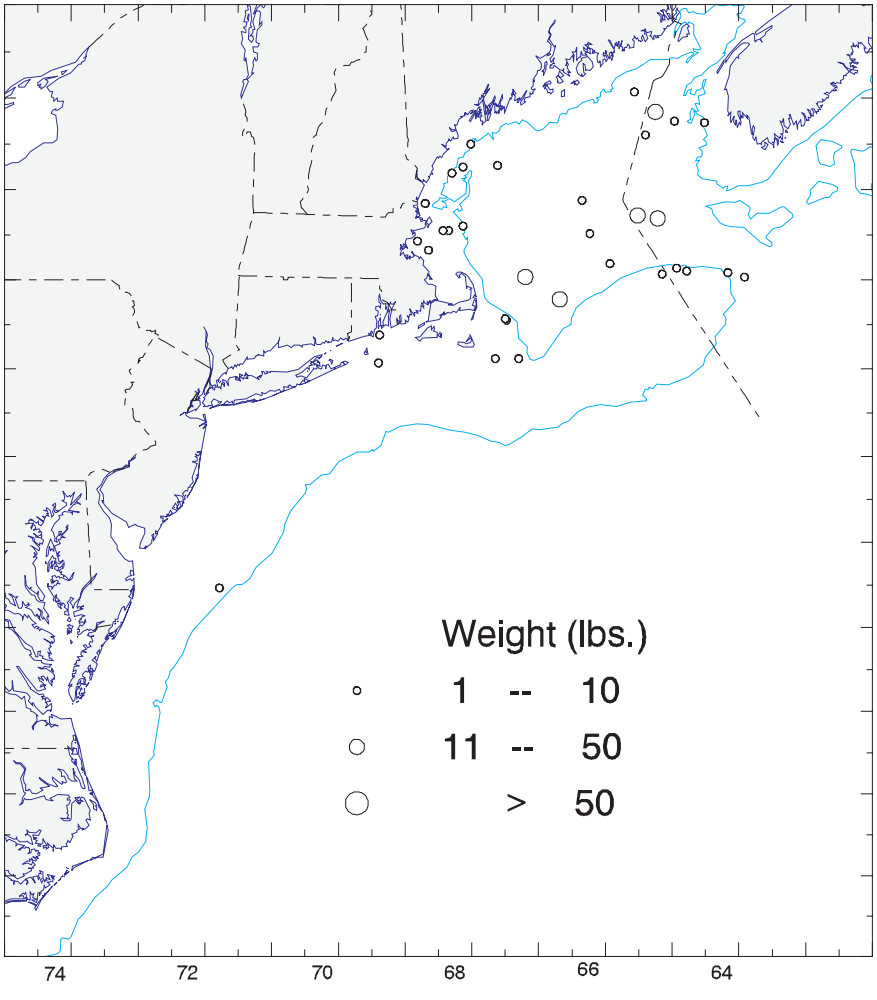
ATLANTIC COD
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



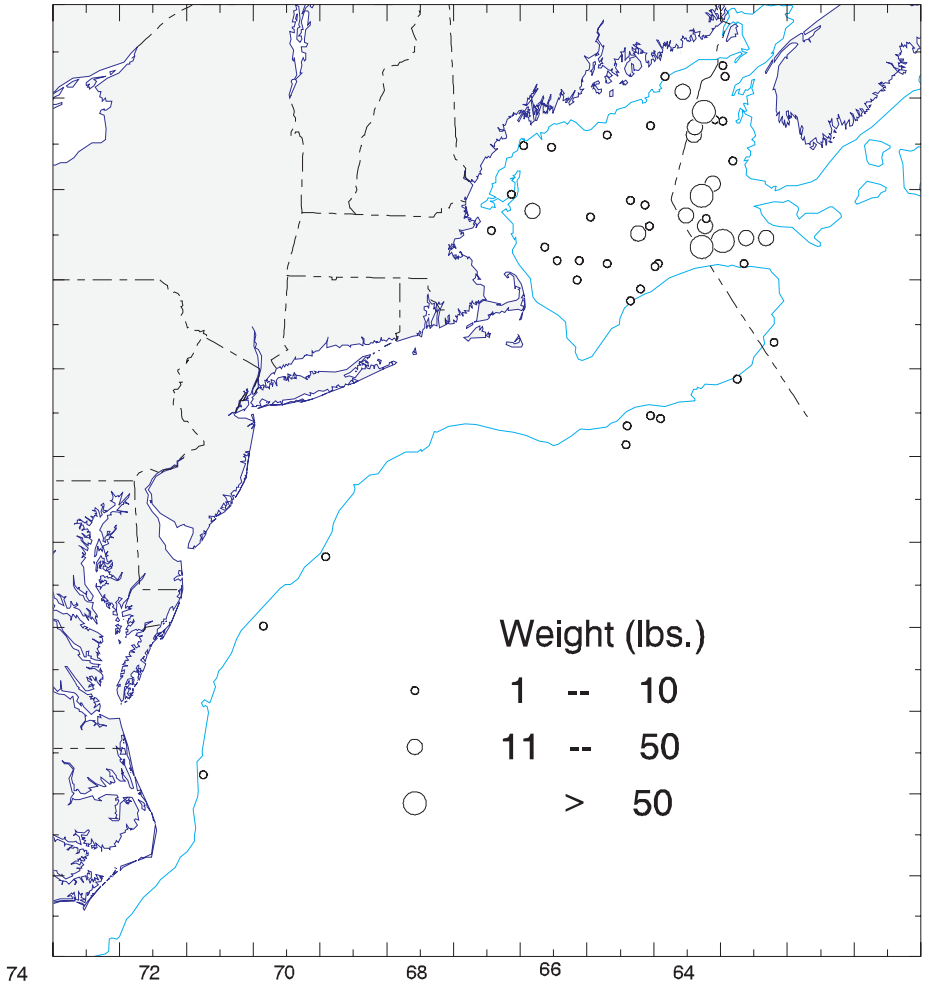
HADDOCK
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



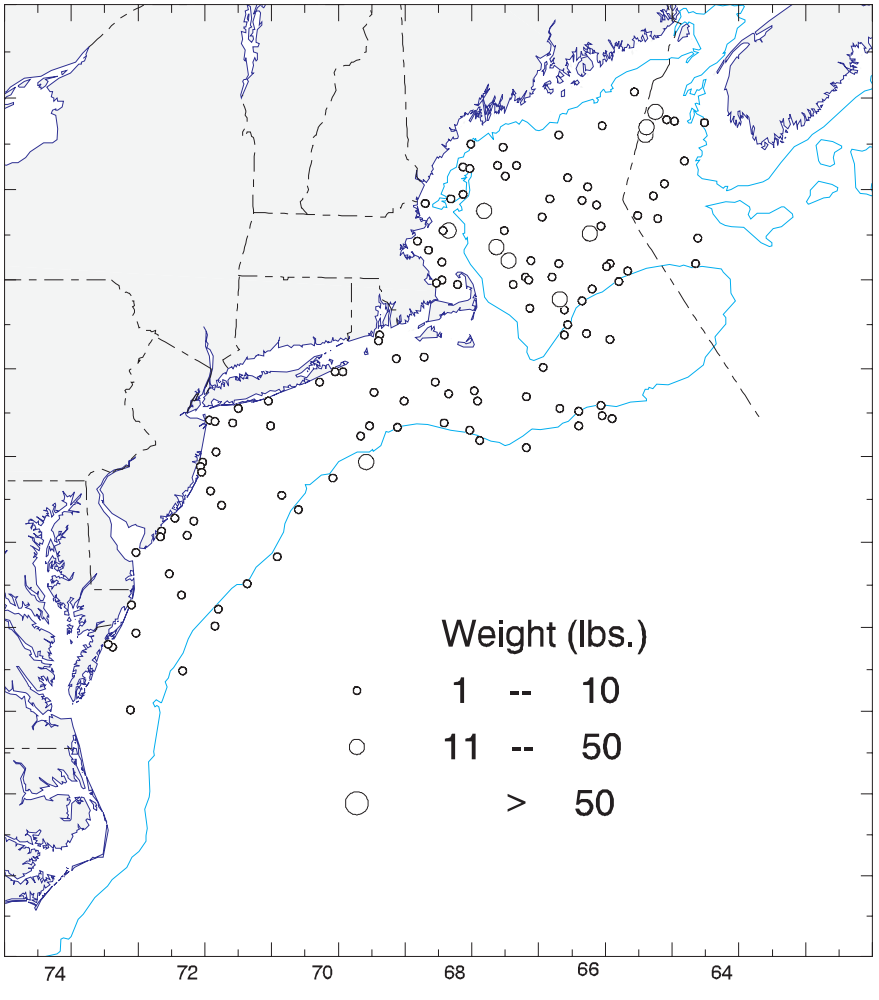
POLLOCK
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



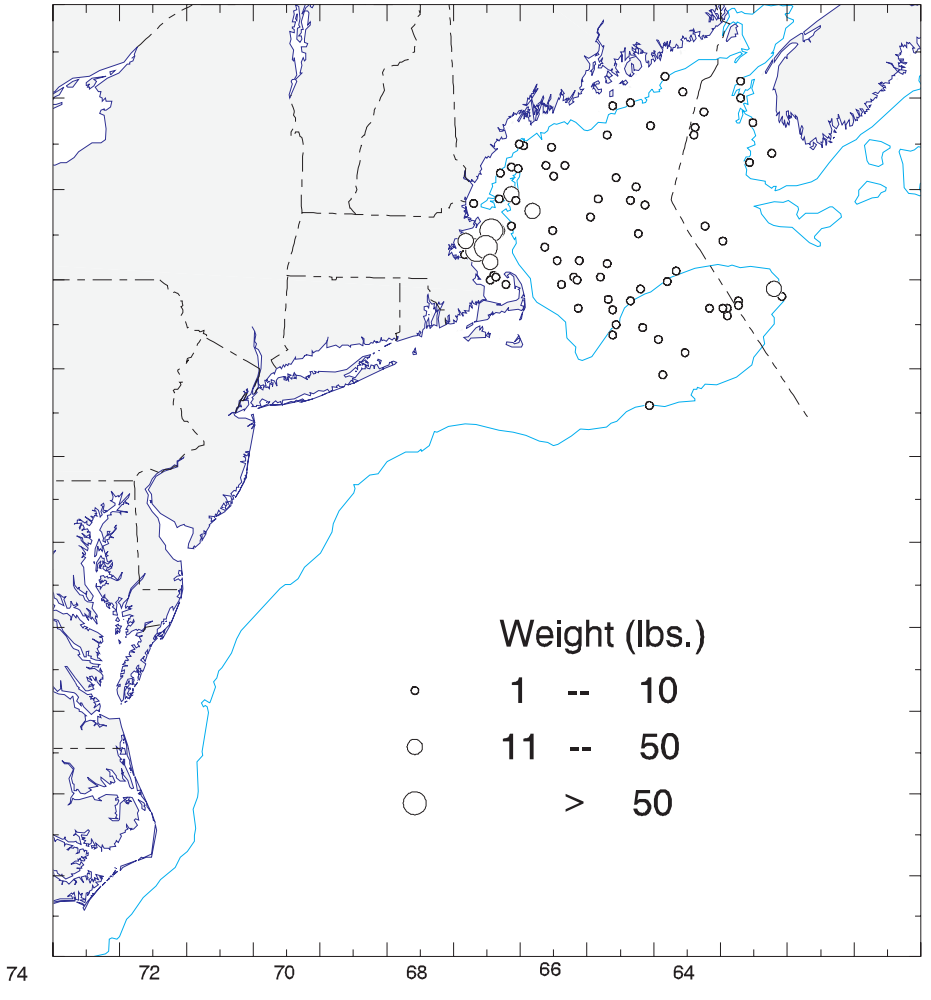
WHITE HAKE
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



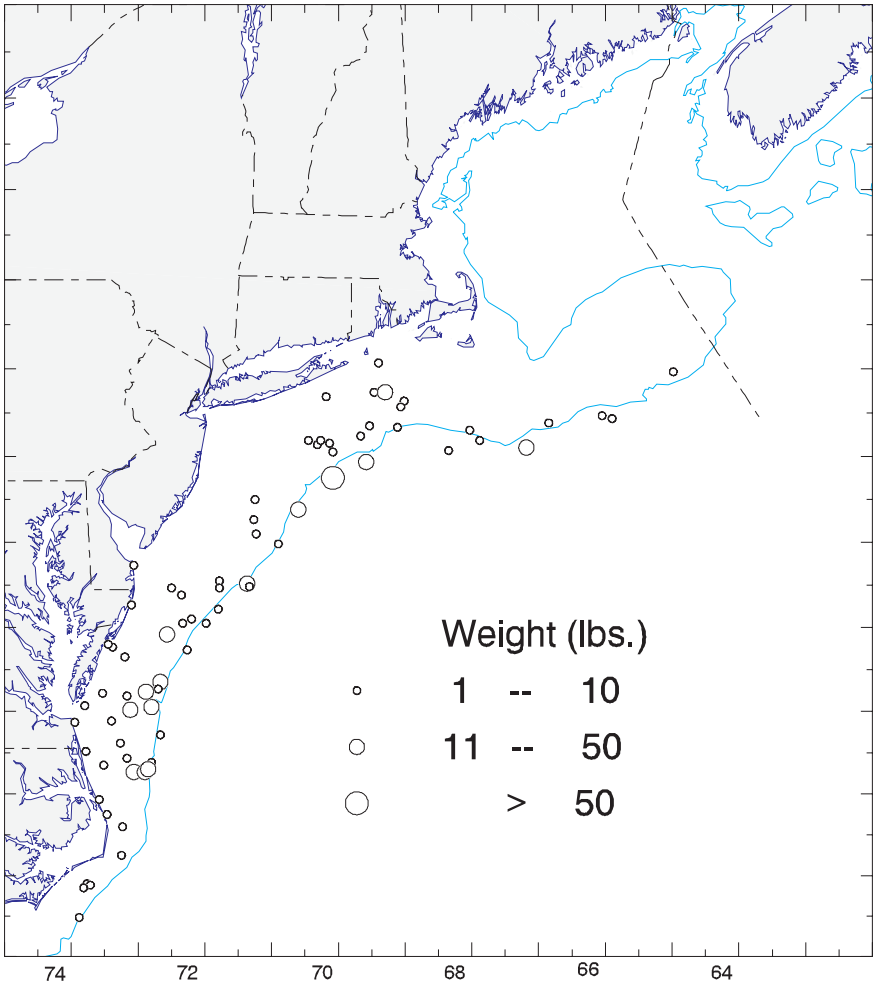
RED HAKE
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



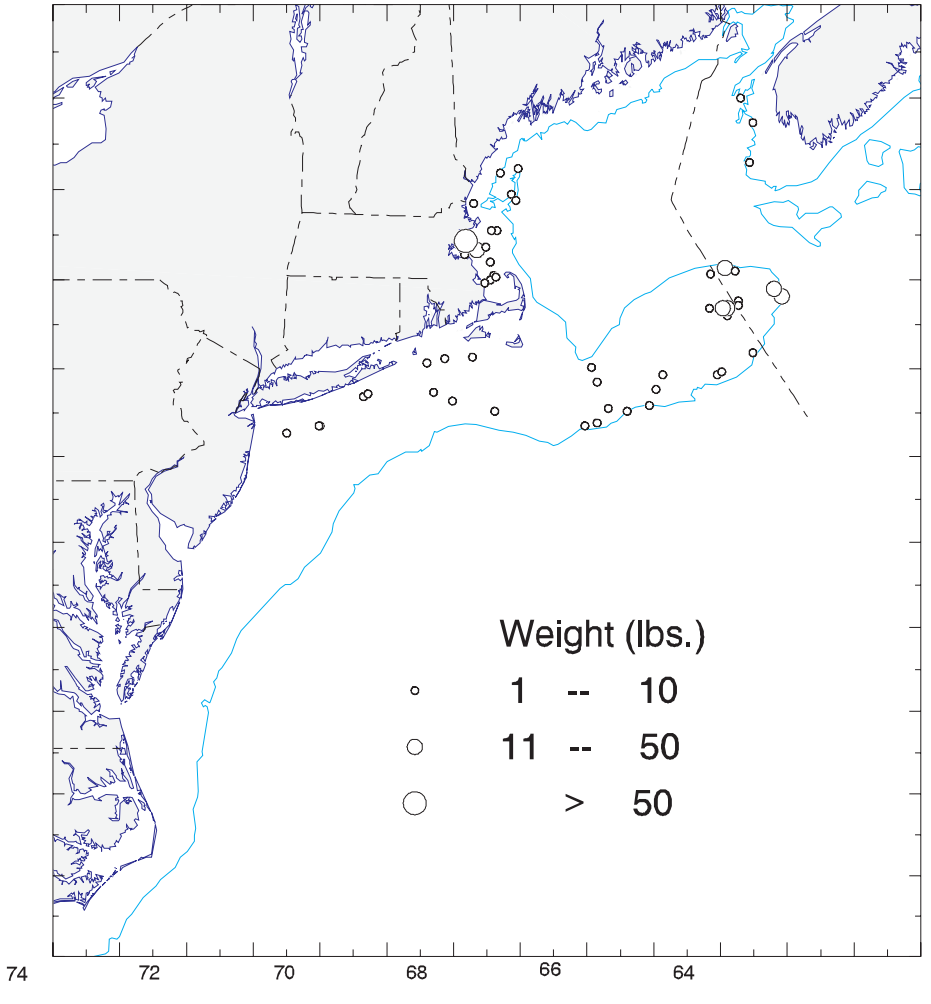
AMERICAN PLAICE
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



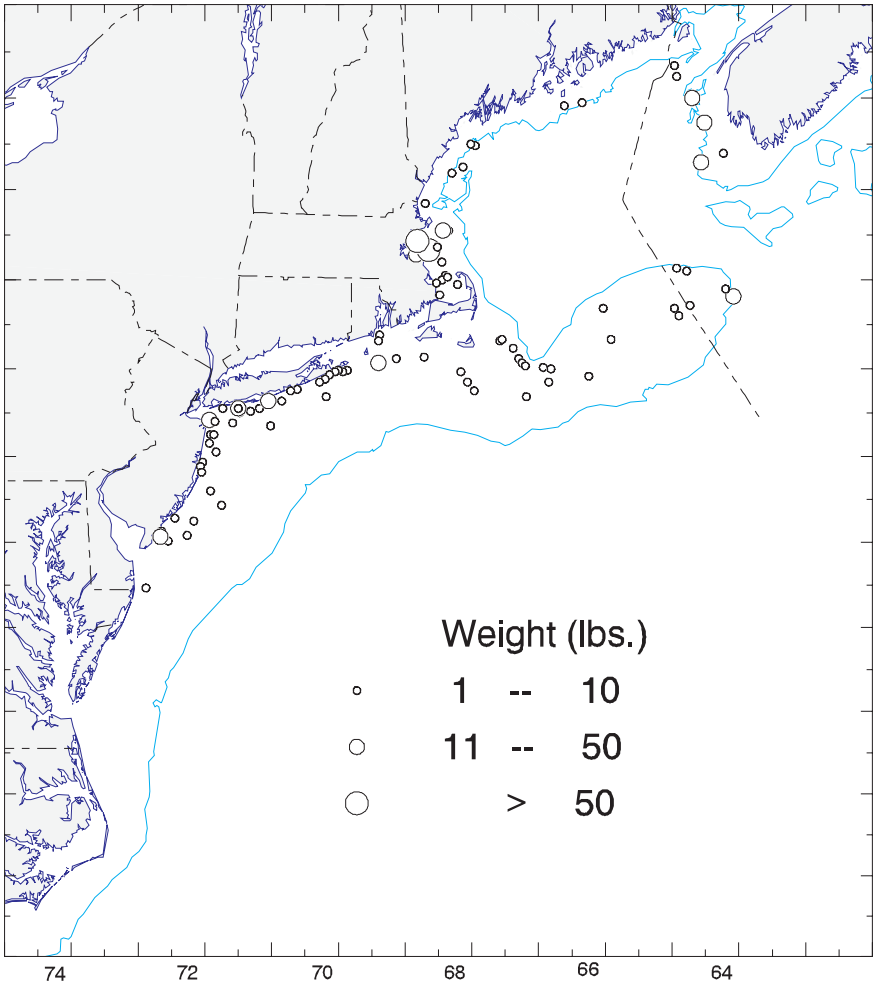
SUMMER FLOUNDER
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



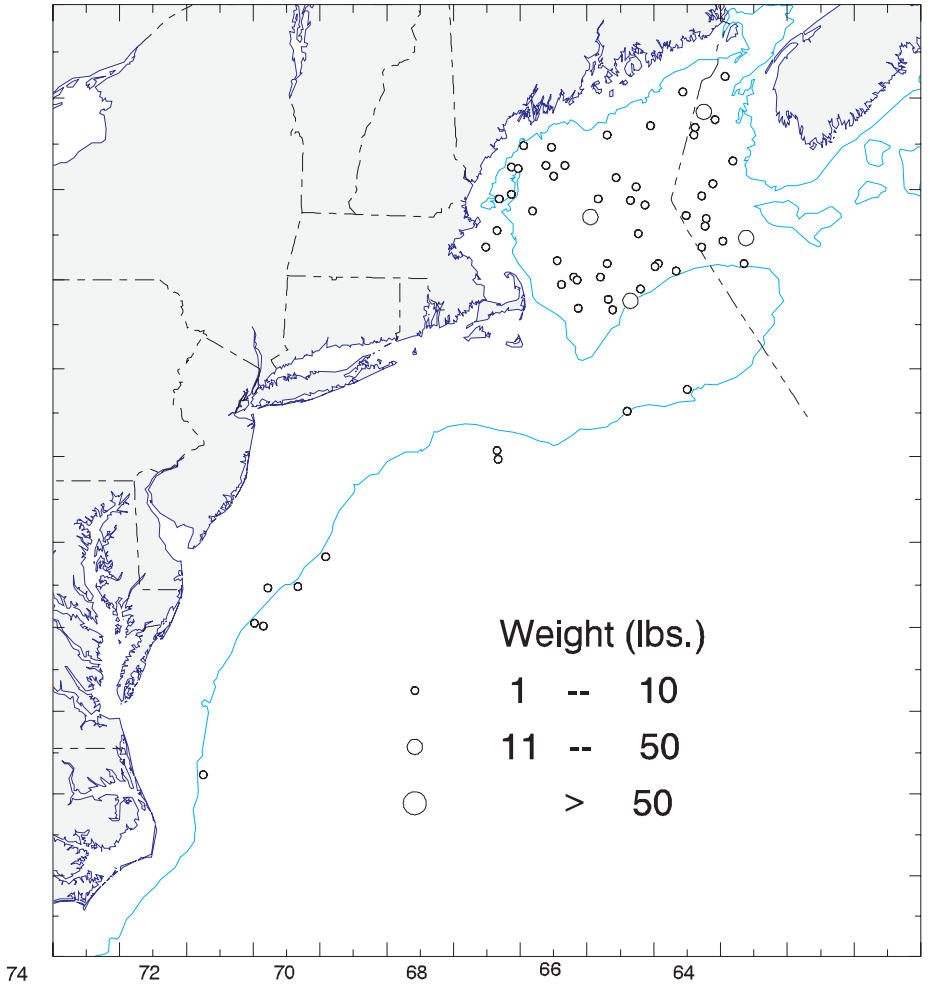
YELLOWTAIL FLOUNDER
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



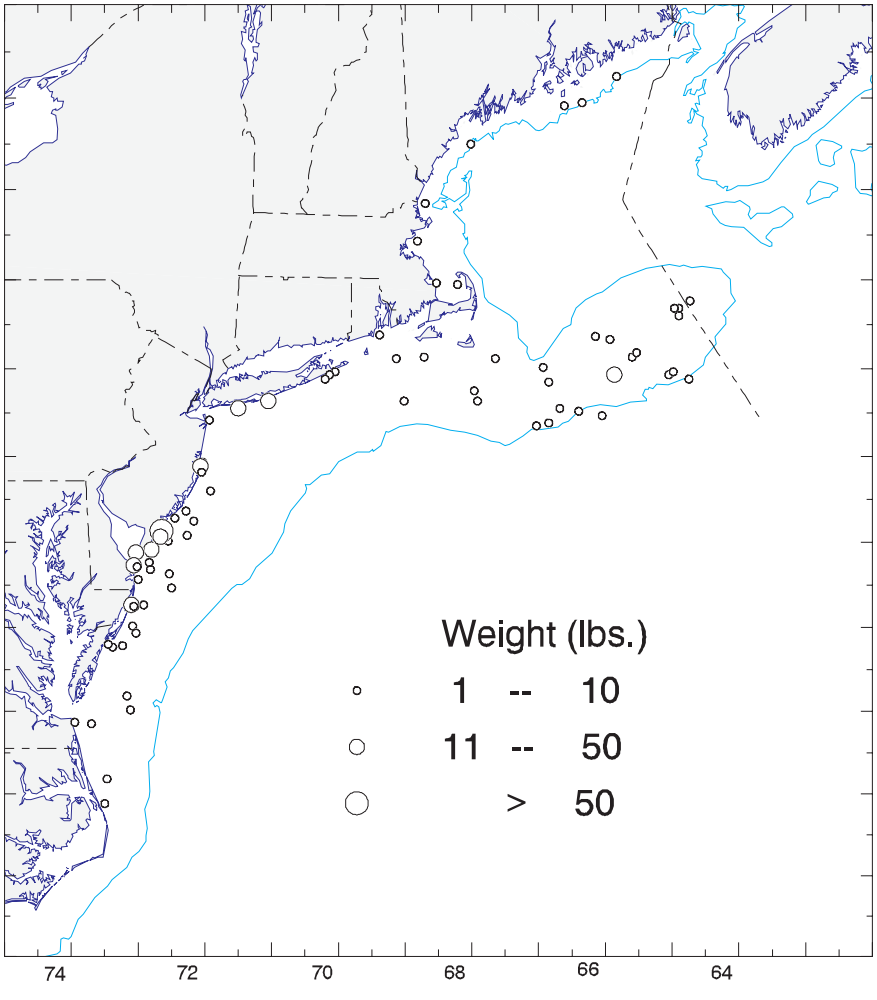
WINTER FLOUNDER
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



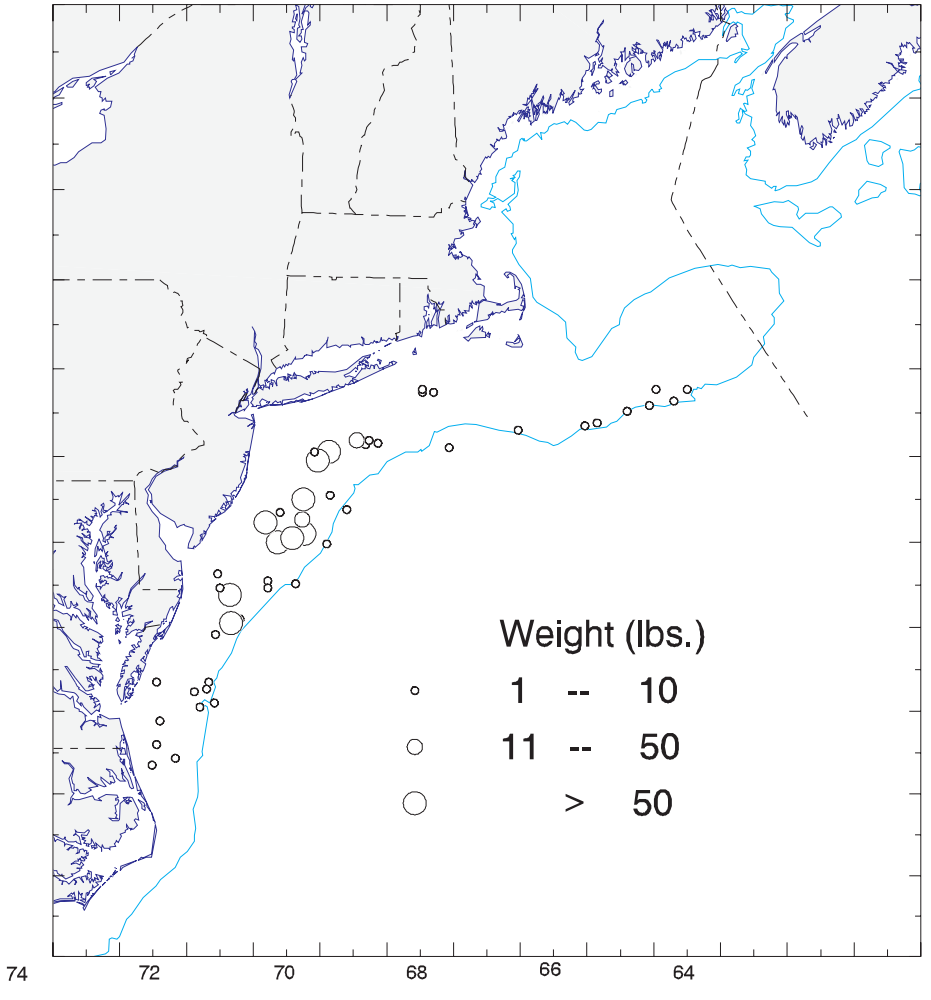
WITCH FLOUNDER
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



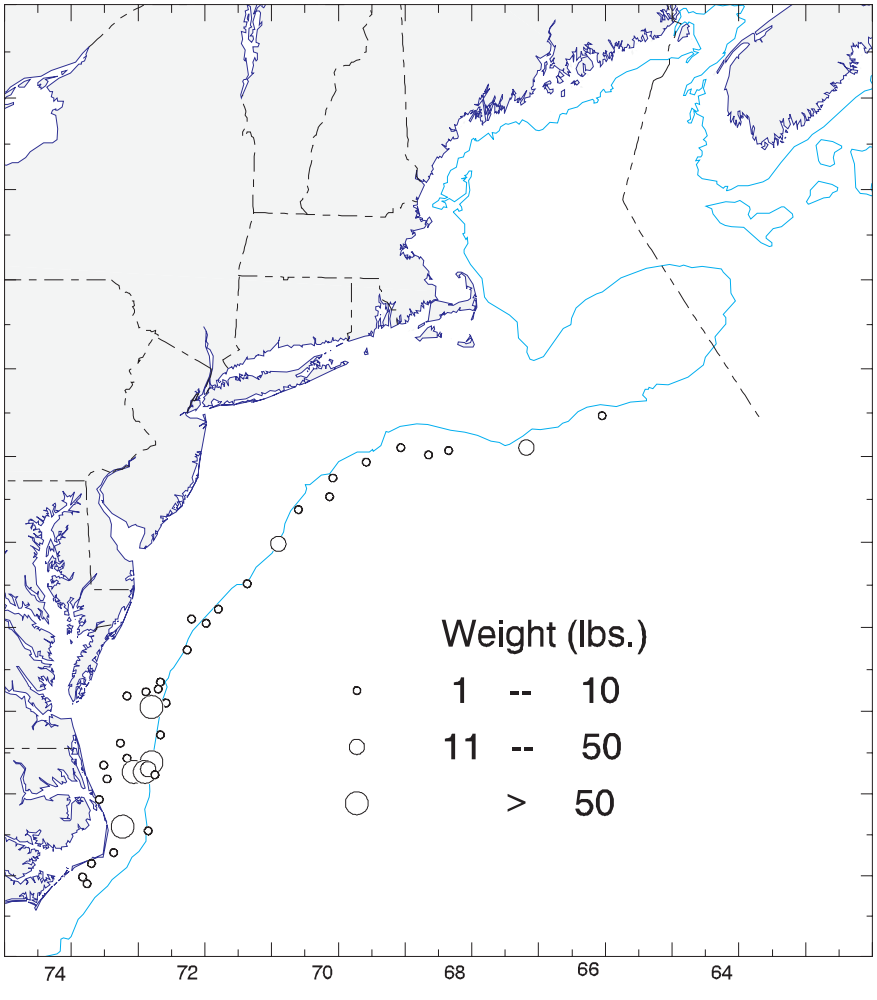
WINDOWPANE FLOUNDER
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



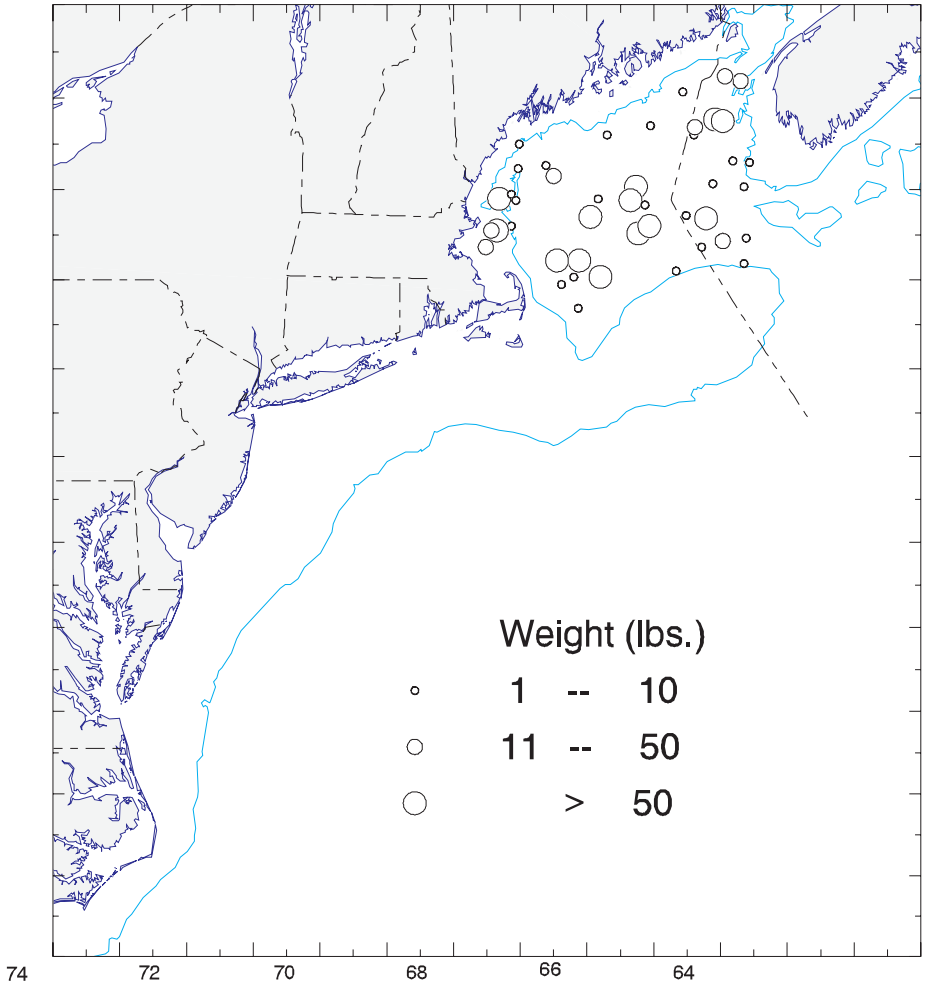
ATLANTIC MACKEREL
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



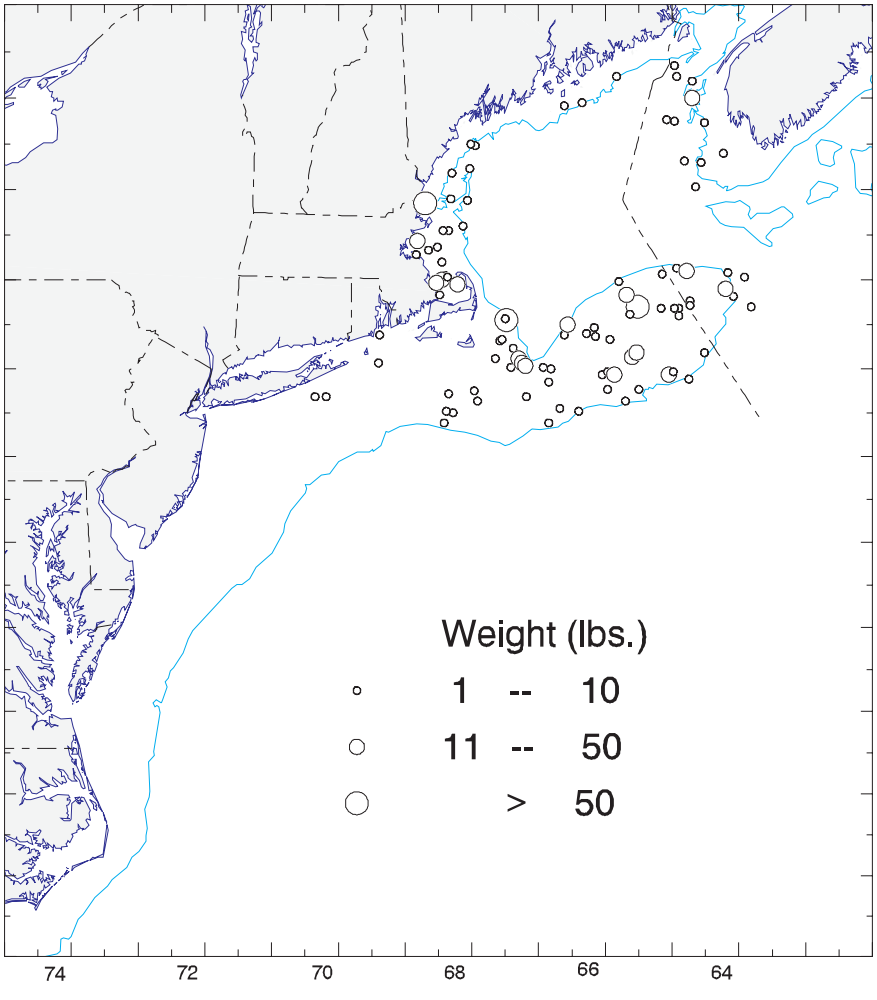
BUTTERFISH
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



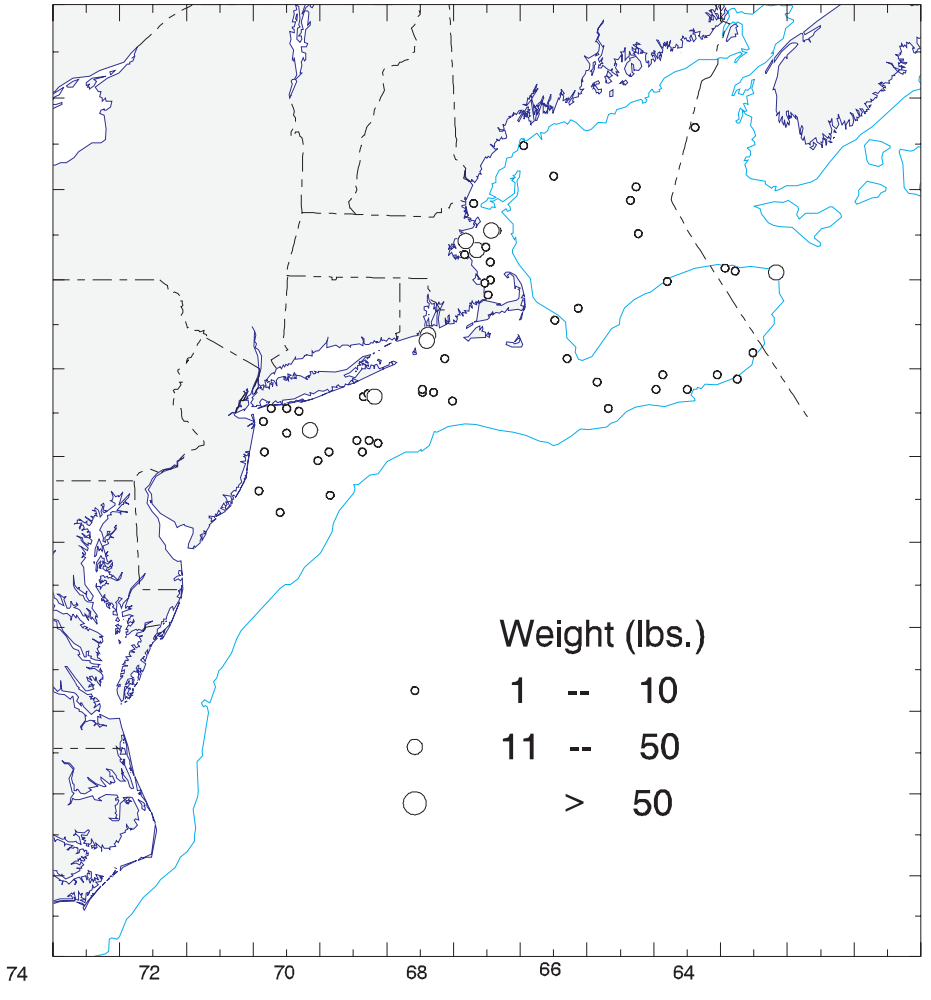
ACADIAN REDFISH
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



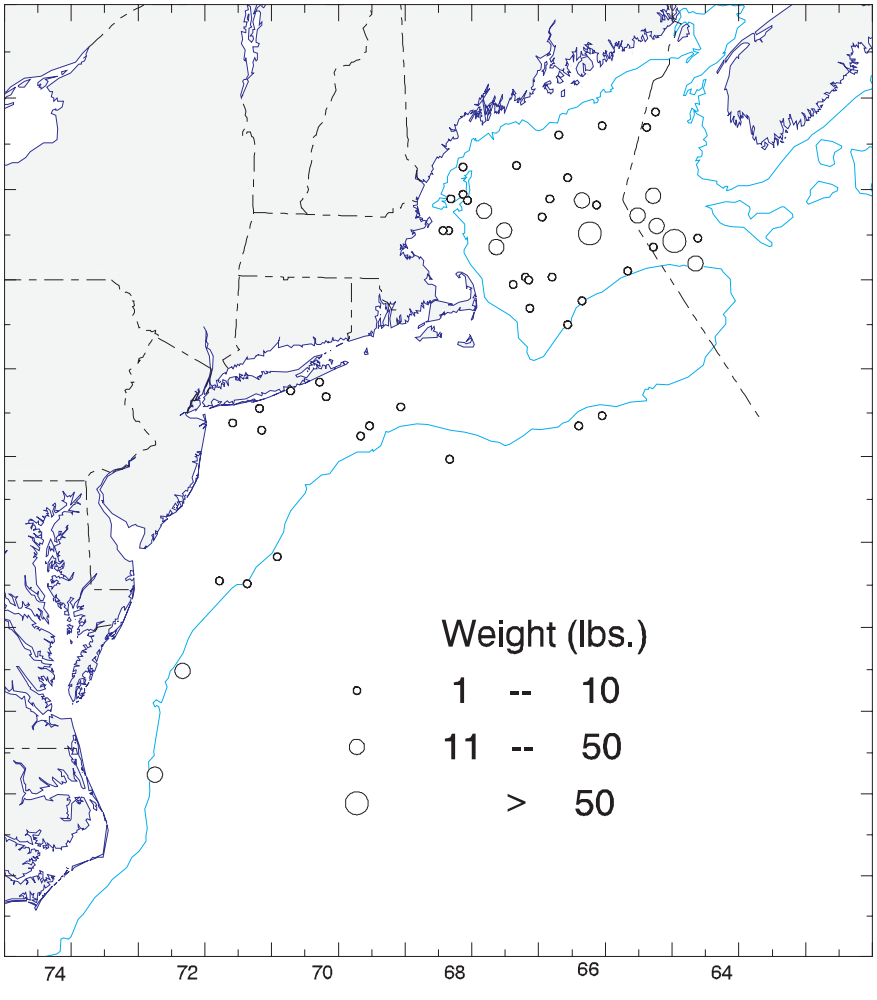
LONGHORN SCULPIN
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



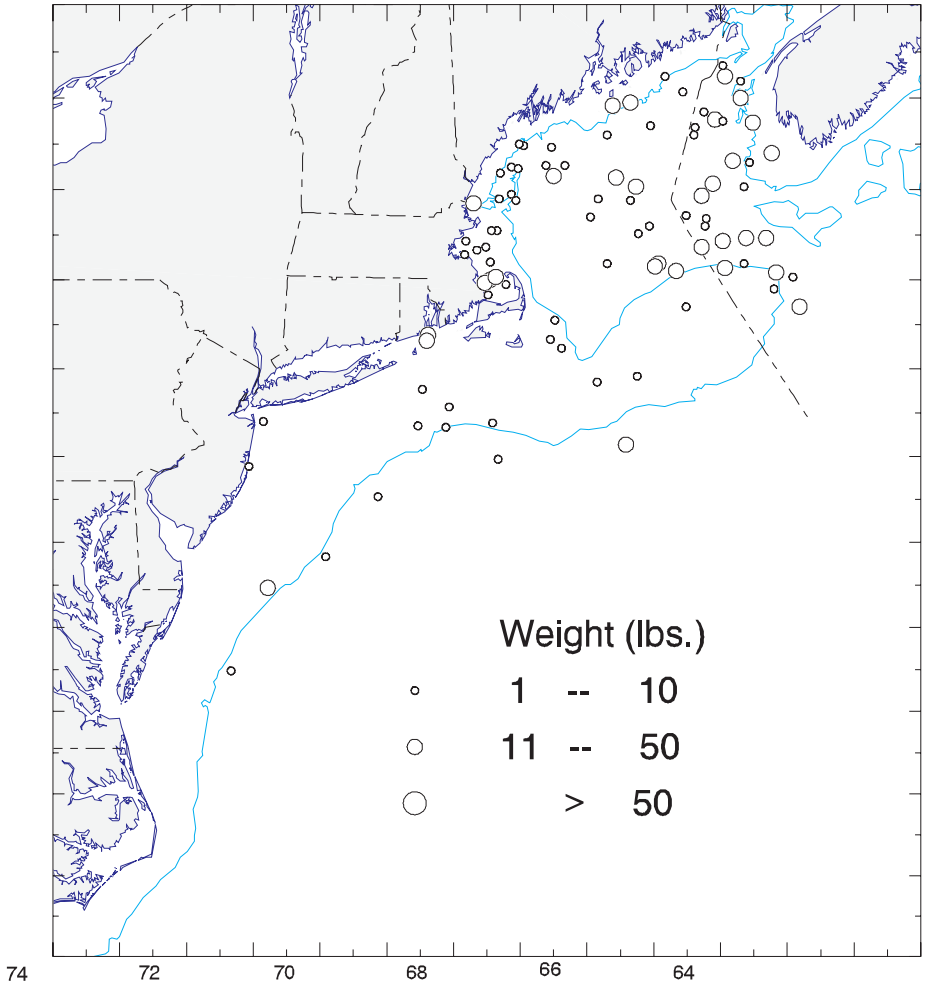
OCEAN POUT
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



GOOSEFISH
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



AMERICAN LOBSTER
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004



LONGFIN SQUID
NMFS-NEFSC Spring Bottom Trawl Survey
MAR 2 - APR 22, 2004