

FISHERMEN'S REPORT
National Marine Fisheries Service
Northeast Fisheries Science Center
Fall Bottom Trawl Survey
Preliminary Catch Summary
Cape Hatteras - Gulf of Maine
September 20 - November 10, 1999

Submitted to: NOAA, NEFSC

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Date: 1999



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

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

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

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

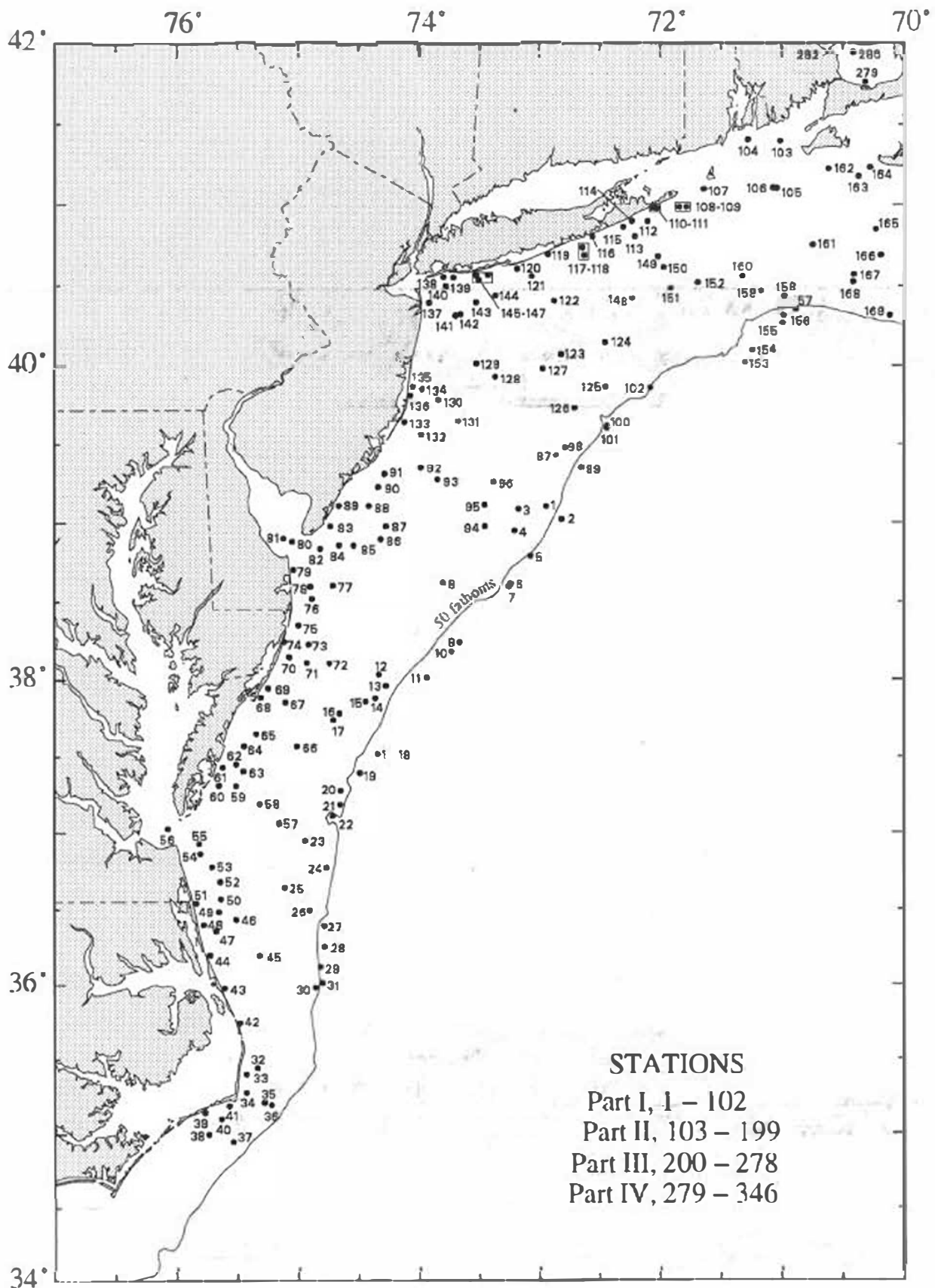


Figure 1. Trawl hauls made from the R/V ALBATROSS IV, during National Marine Fisheries Service, Northeast Fisheries Science Center autumn bottom trawl survey (99-10), September 20 – November 10, 1999.

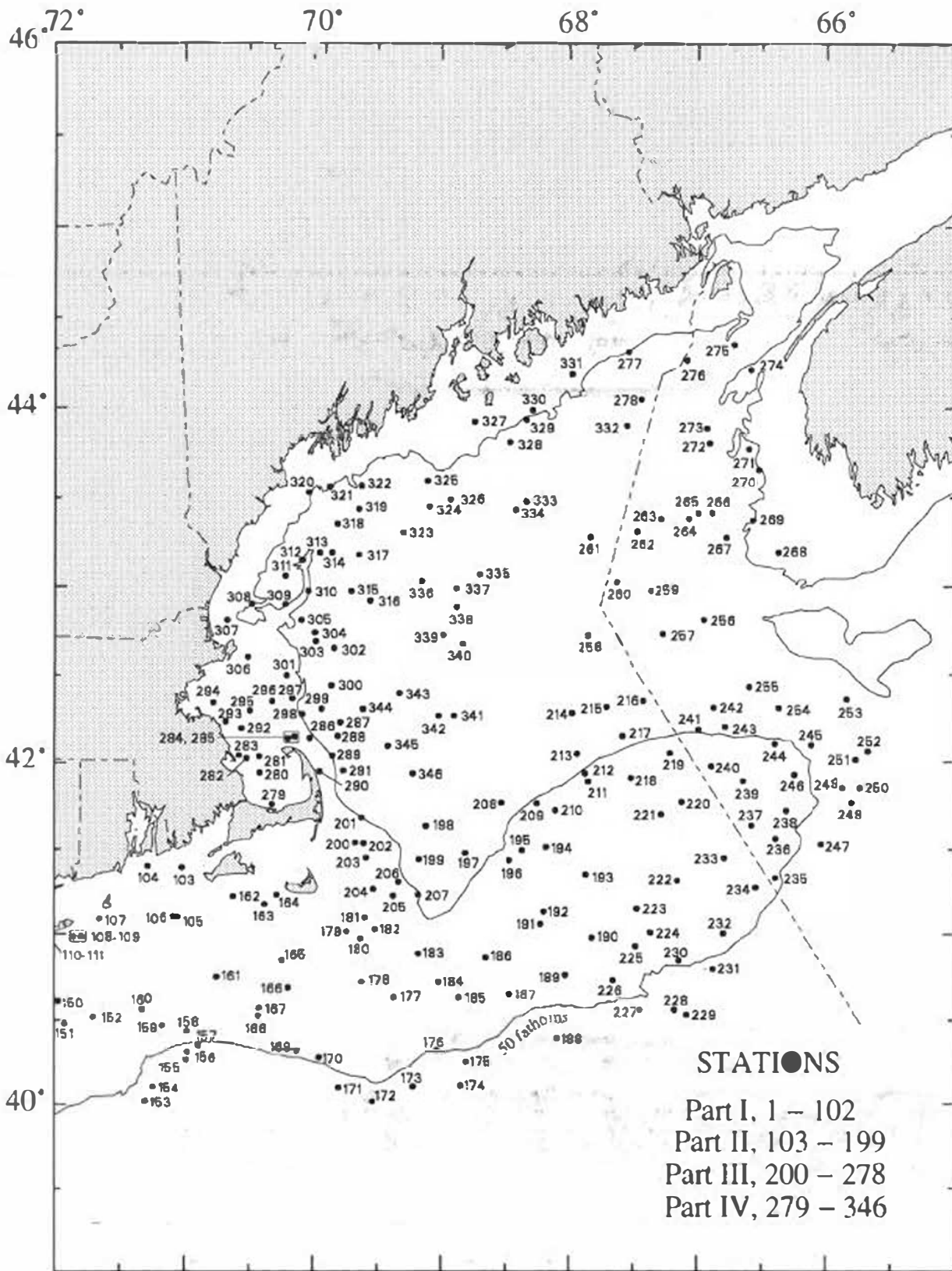


Figure 2. Trawl hauls made from the R/V ALBATROSS IV, during National Marine Fisheries Service, Northeast Fisheries Science Center, autumn bottom trawl survey (99-10), September 20 – November 10, 1999.

NMFS-NEFSC FALL BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0001	Sep-21	0616	3906.2	7256.8	X26404.3	Y42879.2	095	45.7	52.3
0002	Sep-21	0758	3901.3	7249.2	X26353.5	Y42834.2	275	61.8	53.8
0003	Sep-21	1019	3905.1	7310.5	X26490.9	Y42866.8	193	36.4	52.5
0004	Sep-21	1159	3857.1	7312.4	X26497.0	Y42787.1	309	39.9	55.6
0005	Sep-21	1428	3847.3	7304.4	X26441.0	Y42695.0	211	67.8	54.7
0006	Sep-21	1637	3836.8	7313.8	X26490.7	Y42586.6	206	80.1	56.5
0007	Sep-21	1735	3835.8	7314.6	X26494.9	Y42576.7	006	70.5	
0008	Sep-21	2109	3837.1	7347.7	X26689.8	Y42569.2	187	30.6	51.3
0009	Sep-22	0024	3814.4	7339.4	X26618.8	Y42342.7	211	151.5	50.5
0010	Sep-22	0200	3810.8	7343.4	X26637.8	Y42302.8	214	86.1	55.8
0011	Sep-22	0413	3800.6	7355.7	X26693.7	Y42184.8	231	78.2	54.0
0012	Sep-22	0707	3801.9	7420.2	X26823.7	Y42169.1	218	29.5	59.2
0013	Sep-22	0855	3757.5	7416.7	X26799.8	Y42126.4	210	37.2	57.2
0014	Sep-22	1020	3752.7	7421.9	X26820.4	Y42068.8	221	34.4	57.9
0015	Sep-22	1134	3751.3	7426.7	X26842.8	Y42048.2	228	30.9	58.6
0016	Sep-22	1352	3746.7	7439.8	X26901.7	Y41980.4	220	26.8	63.9
0017	Sep-22	1512	3744.1	7442.8	X26912.6	Y41947.9	188	26.0	63.7
0018	Sep-22	1908	3730.9	7420.3	X26785.4	Y41841.4	218	113.5	53.1
0019	Sep-22	2210	3723.4	7429.6	X26821.1	Y41746.9	208	71.6	54.1
0020	Sep-23	0102	3716.5	7439.1	X26857.3	Y41657.2	235	45.1	57.9
0021	Sep-23	0258	3700.1	7439.3	X26838.4	Y41484.2	193	47.0	57.9
0022	Sep-23	0408	3706.6	7443.2	X26863.3	Y41544.8	247	83.7	57.9
0023	Sep-23	0758	3657.2	7456.4	X26910.4	Y41418.7	149	22.4	69.1
0024	Sep-23	0959	3646.2	7445.9	X26851.1	Y41325.1	185	36.9	62.2
0025	Sep-23	1236	3638.5	7506.4	X26929.0	Y41197.2	155	14.8	72.9
0026	Sep-23	1435	3629.4	7454.2	X26867.2	Y41131.5		18.6	69.8
0027	Sep-23	1608	3623.4	7446.8	X26830.5	Y41089.5	182	70.5	57.4
0028	Sep-23	1744	3615.1	7446.6	X26821.2	Y41006.6	164	140.3	51.6
0029	Sep-23	1920	3607.0	7449.3	X26824.1	Y40919.2	192	55.8	57.9
0030	Sep-23	2056	3558.8	7451.6	X26825.3	Y40832.1	087	55.5	58.8
0031	Sep-23	2233	3600.5	7448.3	X26814.0	Y40859.3	186	85.3	56.1
0032	Sep-24	0324	3526.6	7520.4	X26901.9	Y40430.7	240	12.6	73.6
0033	Sep-24	0513	3524.0	7525.9	X26918.8	Y40387.0	175	9.0	73.0
0034	Sep-24	0717	3516.6	7525.9	X26911.4	Y40318.2	175	9.8	74.1
0035	Sep-24	1004	3512.7	7517.0	X26876.2	Y40316.2	180	11.8	77.9
0036	Sep-24	1147	3511.6	7513.5	X26862.9	Y40319.7	212	12.8	80.4
0037	Sep-24	1438	3456.9	7532.5	X26914.9	Y40116.9	233	24.3	78.8
0038	Sep-24	1737	3459.8	7544.5	X26958.7	Y40094.5	002	13.9	76.3
0039	Sep-24	1931	3508.7	7546.4	X26974.4	Y40167.9	105	9.0	76.6
0040	Sep-24	2152	3506.1	7538.2	X26943.7	Y40175.9	039	11.5	76.8
0041	Sep-24	2326	3511.4	7534.4	X26935.7	Y40238.4	158	8.2	76.1
0042	Sep-25	0456	3544.7	7529.1	X26953.0	Y40577.3	347	8.7	72.5
0043	Sep-25	0659	3558.7	7536.5	X26997.6	Y40698.4	333	9.0	72.7
0044	Sep-25	0931	3611.8	7543.6	X27042.0	Y40818.4	108	9.0	72.1
0045	Sep-25	1205	3611.3	7518.9	X26945.7	Y40879.9	343	17.0	72.0
0046	Sep-25	1423	3625.9	7530.8	X27011.8	Y41003.4	275	13.7	72.3
0047	Sep-25	1558	3621.4	7540.6	X27044.1	Y40930.0	328	11.5	72.3
0048	Sep-25	1806	3623.8	7546.8	X27071.5	Y40941.2	038	10.4	72.1

NMFS-NEFSC FALL BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0049	Sep-25	2011	3628.9	7539.4	X27050.0	Y41015.3	007	12.6	72.1
0050	Sep-25	2158	3634.1	7538.3	X27053.6	Y41075.1	276	11.2	72.1
0051	Sep-25	2359	3632.4	7550.5	X27099.4	Y41028.6	357	5.5	72.1
0052	Sep-26	0152	3640.9	7538.7	X27065.3	Y41149.1	012	10.7	72.0
0053	Sep-26	0313	3646.6	7542.7	X27090.8	Y41204.6	341	9.8	72.0
0054	Sep-26	0445	3651.8	7548.5	X27122.9	Y41251.0	311	8.2	71.6
0055	Sep-26	0718	3655.7	7549.0	X27131.7	Y41294.8	045	7.4	71.6
0056	Sep-26	0936	3701.6	7604.4	X27205.5	Y41333.8		6.8	70.3
0057	Sep-26	1448	3703.8	7509.0	X26974.8	Y41464.3	309	19.1	72.0
0058	Sep-26	1624	3711.2	7518.9	X27029.3	Y41527.0	297	15.9	72.0
0059	Sep-26	1808	3718.4	7530.9	X27094.5	Y41585.5	224	10.1	71.2
0060	Sep-26	1958	3718.6	7539.3	X27131.6	Y41573.2		7.1	70.7
0061	Sep-26	2206	3725.6	7537.4	X27136.4	Y41657.3		5.7	69.4
0062	Sep-27	0020	3726.9	7530.8	X27109.5	Y41682.6	174	9.3	70.9
0063	Sep-27	0224	3724.1	7527.3	X27088.6	Y41657.0	023	12.0	71.1
0064	Sep-27	0428	3734.1	7527.0	X27105.2	Y41770.0	048	8.2	70.7
0065	Sep-27	0603	3738.8	7520.9	X27085.9	Y41832.6	045	9.6	70.9
0066	Sep-27	0832	3734.0	7500.8	X26983.8	Y41809.6	344	15.9	70.7
0067	Sep-27	1051	3751.1	7506.4	X27040.1	Y41992.4	248	12.0	70.9
0068	Sep-27	1311	3752.9	7518.6	X27102.2	Y41996.6	035	6.0	70.3
0069	Sep-27	1540	3756.5	7515.0	X27092.0	Y42042.4	042	7.4	70.0
0070	Sep-27	1746	3808.7	7504.6	X27064.5	Y42192.5	102	8.5	70.5
0071	Sep-27	2007	3806.5	7455.8	X27015.6	Y42177.6	300	12.0	70.9
0072	Sep-27	2233	3806.3	7444.7	X26958.1	Y42188.6	313	13.4	70.2
0073	Sep-28	0012	3813.5	7455.0	X27024.9	Y42257.6	282	10.9	70.7
0074	Sep-28	0154	3814.5	7507.1	X27088.8	Y42255.7	024	6.0	70.3
0075	Sep-28	0404	3820.9	7459.9	X27065.1	Y42335.1	042	9.0	70.5
0076	Sep-28	0613	3831.1	7453.3	X27051.0	Y42455.5	050	10.7	70.3
0077	Sep-28	0803	3836.0	7442.9	X27004.2	Y42519.1	315	10.7	69.8
0078	Sep-28	1003	3835.6	7454.0	X27064.8	Y42506.3	336	11.8	70.3
0079	Sep-28	1147	3842.1	7502.5	X27125.3	Y42572.7	151	8.2	70.2
0080	Sep-28	1657	3852.8	7503.1	X27155.0	Y42694.6	359	7.4	69.6
0081	Sep-28	1817	3854.0	7507.5	X27182.3	Y42705.2	160	10.4	69.4
0082	Sep-28	2055	3850.2	7449.2	X27070.1	Y42672.6	033	7.4	70.2
0083	Sep-28	2257	3858.7	7444.2	X27060.7	Y42770.3	173	8.2	69.8
0084	Sep-29	0110	3851.4	7439.9	X27019.0	Y42691.9	058	6.6	70.0
0085	Sep-29	0222	3851.3	7432.7	X26977.1	Y42694.7		13.1	69.4
0086	Sep-29	0407	3853.7	7419.2	X26902.0	Y42727.8	017	18.3	61.9
0087	Sep-29	0522	3858.6	7416.6	X26895.8	Y42781.3	330	16.1	66.6
0088	Sep-29	0651	3906.3	7425.0	X26962.7	Y42862.1	270	11.5	67.5
0089	Sep-29	0844	3906.4	7440.0	X27053.8	Y42857.9	090	8.2	69.6
0090	Sep-29	1100	3913.5	7420.5	X26949.8	Y42941.3	060	10.4	69.1
0091	Sep-29	1214	3918.6	7417.4	X26941.0	Y42996.3	038	9.3	69.3
0092	Sep-29	1420	3921.0	7359.3	X26829.5	Y43023.3	043	14.8	65.8
0093	Sep-29	1555	3916.4	7351.0	X26766.8	Y42975.6	133	19.7	60.3
0094	Sep-29	1905	3858.7	7327.1	X26590.2	Y42799.4	030	29.3	50.2
0095	Sep-29	2037	3906.7	7327.3	X26600.3	Y42879.6	347	29.0	49.3
0096	Sep-29	2218	3915.7	7322.3	X26577.9	Y42970.2	040	27.1	48.6

NMFS-NEFSC FALL BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0097	Sep-30	0136	3925.9	7251.3	X26379.8	Y43067.0	009	35.8	53.6
0098	Sep-30	0255	3928.8	7246.8	X26350.3	Y43093.6	107	35.8	53.4
0099	Sep-30	0452	3921.2	7238.8	X26293.0	Y43021.4	135	61.8	56.8
0100	Sep-30	0748	3937.0	7226.2	X26211.2	Y43164.0	345	137.2	54.0
0101	Sep-30	1005	3936.1	7226.6	X26214.0	Y43156.0	170	98.4	54.3
0102	Sep-30	1407	3951.3	7204.9	X26060.9	Y43281.4	001	48.4	55.6
0103	Oct-05	1717	4123.8	7100.9	X25586.6	Y43932.9	218	11.5	64.9
0104	Oct-05	1916	4124.2	7116.8	X25730.5	Y43960.0	148	14.8	65.3
0105	Oct-05	2204	4106.3	7102.5	X25564.3	Y43813.7		18.6	64.8
0106	Oct-05	2239	4106.4	7104.4	X25581.2	Y43817.4	277	19.7	
0107	Oct-06	0136	4105.9	7138.5	X25884.2	Y43860.3	233	17.2	64.9
0108	Oct-06	0317	4059.2	7147.1	X25949.0	Y43821.8	231	18.9	65.1
0109	Oct-06	0433	4059.2	7150.7	X25980.7	Y43826.5	240	15.0	64.9
0110	Oct-06	0607	4058.8	7201.8	X26077.1	Y43838.6	256	7.4	64.8
0111	Oct-06	0712	4058.8	7203.7	X26094.1	Y43841.9	249	6.6	64.8
0112	Oct-06	0848	4053.8	7206.3	X26108.3	Y43805.6	247	15.9	65.3
0113	Oct-06	1016	4048.2	7212.6	X26154.4	Y43768.9	358	19.1	65.7
0114	Oct-06	1135	4053.9	7214.2	X26176.9	Y43817.4	244	10.4	64.9
0115	Oct-06	1247	4051.7	7218.4	X26209.5	Y43804.7	224	13.1	65.1
0116	Oct-06	1441	4048.3	7233.7	X26335.2	Y43797.4	249	6.6	64.0
0117	Oct-06	1601	4044.2	7238.6	X26369.2	Y43769.0	092	15.6	65.1
0118	Oct-06	1721	4041.2	7237.7	X26356.7	Y43742.7	264	17.5	61.3
0119	Oct-06	1916	4041.6	7255.6	X26507.4	Y43768.9	233	9.3	64.6
0120	Oct-06	2113	4036.2	7311.1	X26623.6	Y43739.2	095	10.7	64.2
0121	Oct-06	2237	4033.4	7303.8	X26558.6	Y43705.5	121	14.2	60.8
0122	Oct-07	0044	4024.3	7252.6	X26451.4	Y43610.7	110	22.4	58.6
0123	Oct-07	0359	4004.3	7249.2	X26397.1	Y43425.3	091	28.7	53.4
0124	Oct-07	0640	4008.9	7227.3	X26233.8	Y43450.1	176	32.5	52.5
0125	Oct-07	0850	3952.1	7226.6	X26218.8	Y43300.3	177	40.5	53.4
0126	Oct-07	1500	3943.6	7242.6	X26330.1	Y43230.9	316	36.6	53.2
0127	Oct-07	1732	3958.9	7258.3	X26460.2	Y43381.7	282	27.1	53.4
0128	Oct-07	1959	3955.7	7322.0	X26631.3	Y43365.2	308	25.7	50.2
0129	Oct-07	2140	4000.8	7331.3	X26709.5	Y43420.7	293	22.4	51.3
0130	Oct-08	0023	3946.8	7350.0	X26817.0	Y43289.5	212	13.1	66.0
0131	Oct-08	0219	3938.7	7340.3	X26733.3	Y43203.4	218	17.5	61.5
0132	Oct-08	0221	3933.7	7358.6	X26849.5	Y43156.7	306	13.1	65.8
0133	Oct-08	0547	3938.3	7407.4	X26919.2	Y43206.4	045	9.6	65.5
0134	Oct-08	0749	3951.3	7358.1	X26884.2	Y43339.6	284	10.9	65.3
0135	Oct-08	0849	3951.9	7402.6	X26917.6	Y43347.0	182	9.3	64.9
0136	Oct-08	1019	3948.4	7404.3	X26920.8	Y43311.6	003	6.6	63.7
0137	Oct-08	1414	4023.5	7354.9	X26941.1	Y43665.7	015	10.4	64.0
0138	Oct-08	1556	4033.0	7347.8	X26911.7	Y43752.5	075	7.4	63.5
0139	Oct-08	1705	4032.9	7342.8	X26872.2	Y43745.6	108	9.3	63.5
0140	Oct-08	1837	4029.7	7346.6	X26893.3	Y43718.8	151	14.2	59.7
0141	Oct-08	2026	4018.8	7341.7	X26827.6	Y43606.2	162	13.9	65.7
0142	Oct-08	2143	4019.3	7339.2	X26809.1	Y43609.2	130	12.8	65.7
0143	Oct-08	2315	4023.7	7331.5	X26759.7	Y43644.7	097	13.1	65.1
0144	Oct-09	0040	4026.2	7321.8	X26688.8	Y43658.6	071	14.5	65.1

NMFS-NEFSC FALL BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0145	Oct-09	0252	4032.0	7330.2	X26768.9	Y43722.4	012	8.5	64.2
0146	Oct-09	0408	4033.7	7331.5	X26783.7	Y43740.4	065	7.1	62.4
0147	Oct-09	0526	4033.9	7325.6	X26736.3	Y43735.0	103	8.7	62.8
0148	Oct-09	1123	4025.3	7213.4	X26135.8	Y43579.2	346	29.8	52.0
0149	Oct-09	1358	4040.8	7201.1	X26047.9	Y43694.4	139	26.2	54.1
0150	Oct-09	1514	4036.7	7158.2	X26020.2	Y43658.0	095	29.3	52.9
0151	Oct-09	1703	4028.9	7154.8	X25987.0	Y43590.5	091	35.5	52.9
0152	Oct-09	1851	4031.1	7141.3	X25878.5	Y43594.8	109	38.8	54.1
0153	Oct-09	2324	4001.3	7117.8	X25720.7	Y43337.5	065	89.1	56.3
0154	Oct-10	0056	4006.5	7114.2	X25689.1	Y43376.2		72.5	57.2
0155	Oct-10	0311	4016.1	7059.0	X25568.5	Y43439.4	065	60.4	57.2
0156	Oct-10	0435	4018.7	7058.5	X25560.5	Y43459.2	082	53.3	56.7
0157	Oct-10	0556	4021.2	7053.0	X25517.7	Y43473.1	270	49.8	56.7
0158	Oct-10	0722	4026.2	7058.2	X25546.6	Y43515.8	291	44.0	56.8
0159	Oct-10	0859	4028.2	7109.6	X25629.1	Y43541.1	315	40.7	56.1
0160	Oct-10	1035	4033.6	7118.9	X25697.4	Y43591.7	069	34.4	55.2
0161	Oct-10	1357	4045.2	7044.8	X25416.9	Y43641.8	002	31.7	56.8
0162	Oct-10	1725	4113.5	7037.1	X25346.0	Y43830.5	046	14.8	62.8
0163	Oct-10	1923	4110.8	7022.4	X25210.0	Y43793.2	058	17.0	61.9
0164	Oct-10	2050	4114.1	7016.8	X25163.0	Y43808.1	172	12.8	61.7
0165	Oct-11	0026	4051.0	7014.0	X25180.3	Y43650.5	062	20.0	58.5
0166	Oct-11	0234	4041.4	7011.5	X25197.3	Y43582.4	204	24.1	58.8
0167	Oct-11	0502	4034.3	7024.6	X25297.8	Y43544.3	186	33.4	57.2
0168	Oct-11	0616	4031.5	7025.0	X25308.0	Y43524.9	138	34.4	57.0
0169	Oct-11	0840	4019.0	7007.1	X25250.0	Y43422.5	118	45.9	57.0
0170	Oct-11	1006	4016.8	6957.1	W14161.9	Y43399.6	146	46.5	57.2
0171	Oct-11	1205	4006.0	6947.6	W14147.3	Y43318.8	115	56.6	59.0
0172	Oct-11	1404	4001.1	6932.0	W14084.4	Y43276.8	124	59.9	58.3
0173	Oct-11	1637	4006.4	6913.0	W13974.2	Y43303.4	024	61.2	57.0
0174	Oct-11	1945	4006.8	6850.3	W13864.5	Y43295.2	016	125.8	53.2
0175	Oct-11	2121	4015.6	6847.7	W13821.5	Y43349.5	019	54.4	58.1
0176	Oct-11	2349	4019.3	6901.9	W13876.0	Y43381.8	021	47.0	58.3
0177	Oct-12	0314	4038.1	6921.8	W13906.8	Y43516.8	324	24.3	61.9
0178	Oct-12	0516	4043.7	6937.0	W13964.1	Y43566.4	344	22.4	59.7
0179	Oct-12	0759	4101.3	6943.6	W13932.4	Y43687.0	183	20.5	56.5
0180	Oct-12	0919	4058.6	6937.3	W13909.4	Y43662.8	050	22.4	55.9
0181	Oct-12	1104	4106.0	6935.0	W13867.2	Y43707.9	132	17.0	56.3
0182	Oct-12	1237	4102.0	6930.4	W13859.1	Y43677.4	205	19.1	55.6
0183	Oct-12	1544	4053.4	6910.5	W13790.6	Y43604.6	054	35.3	61.2
0184	Oct-12	1754	4043.5	6900.7	W13780.3	Y43534.4	169	36.6	64.4
0185	Oct-12	1940	4038.1	6851.1	W13754.3	Y43493.6		33.9	62.1
0186	Oct-12	2159	4052.1	6838.9	W13639.5	Y43569.4	019	31.7	60.4
0187	Oct-13	0047	4039.2	6827.4	W13636.9	Y43483.3	146	35.8	59.9
0188	Oct-13	0359	4023.6	6804.8	W13594.7	Y43375.7	113	76.6	55.2
0189	Oct-13	0658	4046.0	6801.5	W13490.8	Y43505.6	049	37.2	
0190	Oct-13	0928	4059.1	6749.0	W13379.9	Y43571.1	299	26.8	60.1
0191	Oct-13	1147	4103.9	6813.2	W13468.6	Y43617.6	310	24.3	62.1
0192	Oct-13	1320	4108.3	6811.6	W13442.0	Y43641.1	007	23.8	62.1

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Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0193	Oct-13	1604	4121.2	6752.0	W13294.2	Y43695.6	328	21.9	63.7
0194	Oct-13	1831	4130.8	6810.5	W13333.6	Y43766.2	282	18.3	62.8
0195	Oct-13	2008	4129.7	6821.9	W13392.3	Y43771.6	308	24.6	62.1
0196	Oct-13	2159	4126.2	6827.9	W13438.1	Y43757.9	225	41.8	58.3
0197	Oct-14	0040	4128.7	6848.6	W13527.8	Y43794.4	207	79.0	42.1
0198	Oct-14	0454	4138.1	6907.0	W13578.8	Y43869.5	182	86.9	42.4
0199	Oct-14	0700	4126.5	6910.2	W13649.3	Y43805.4	173	80.4	42.3
0200	Oct-19	1440	4132.3	6940.1	W13783.4	Y43876.4	028	18.0	53.8
0201	Oct-19	1621	4141.0	6937.2	W13728.1	Y43924.7	149	52.2	43.2
0202	Oct-19	1952	4132.2	6936.2	W13762.3	Y43870.8	128	20.8	54.1
0203	Oct-19	2226	4127.0	6935.1	W13779.3	Y43838.2	120	16.4	54.0
0204	Oct-20	0029	4116.1	6931.7	W13807.9	Y43767.5	336	13.7	53.4
0205	Oct-20	0244	4113.8	6922.4	W13768.2	Y43742.7	019	27.1	54.0
0206	Oct-20	0356	4118.7	6919.9	W13734.4	Y43769.6	118	41.8	53.4
0207	Oct-20	0535	4114.1	6910.7	W13706.0	Y43731.8	031	50.3	45.7
0208	Oct-20	1104	4146.1	6831.6	W13360.7	Y43872.6	038	105.3	46.9
0209	Oct-20	1310	4146.0	6814.9	W13280.9	Y43852.9	078	38.8	45.9
0210	Oct-20	1438	4143.5	6806.2	W13252.3	Y43830.4	050	20.2	60.6
0211	Oct-20	1641	4153.5	6750.9	W13132.1	Y43866.0	020	26.8	60.4
0212	Oct-20	1817	4156.3	6752.3	W13124.3	Y43882.1	073	43.2	53.8
0213	Oct-20	2016	4203.0	6756.2	W13106.8	Y43920.7	260	103.1	48.0
0214	Oct-20	2306	4217.0	6758.5	W13042.8	Y43993.6	057	104.7	48.9
0215	Oct-21	0118	4219.0	6742.3	W12958.6	Y43984.6	044	125.2	48.6
0216	Oct-21	0405	4221.1	6725.2	W12873.6	Y43974.8	203	167.3	47.1
0217	Oct-21	0625	4209.0	6734.8	W12980.1	Y43927.1	152	96.2	47.7
0218	Oct-21	0842	4154.7	6730.9	W13037.8	Y43851.3	175	25.4	60.3
0219	Oct-21	1135	4203.2	6712.6	W12917.4	Y43874.7	162	26.8	57.7
0220	Oct-21	1354	4146.5	6707.0	W12980.4	Y43786.5	244	29.3	60.8
0221	Oct-21	1524	4142.1	6716.7	W13041.6	Y43773.7	194	27.1	61.3
0222	Oct-21	1832	4119.1	6700.1	W13084.3	Y43641.4	226	29.5	58.6
0223	Oct-21	2102	4109.2	6728.1	W13244.5	Y43610.9	235	29.3	59.2
0224	Oct-21	2253	4100.9	6721.7	W13255.0	Y43560.8	213	37.5	57.6
0225	Oct-22	0024	4056.0	6728.6	W13305.3	Y43539.1	220	39.1	57.7
0226	Oct-22	0227	4044.1	6739.2	W13400.6	Y43479.9	123	41.3	59.2
0227	Oct-22	0440	4033.6	6725.8	W13387.1	Y43412.3	101	63.2	58.8
0228	Oct-22	0634	4033.8	6710.4	W13323.2	Y43405.4		87.8	55.9
0229	Oct-22	0814	4031.9	6704.7	W13307.9	Y43392.2	085	179.4	48.4
0230	Oct-22	1133	4051.1	6708.3	W13242.4	Y43498.7	094	47.8	58.1
0231	Oct-22	1338	4048.1	6652.4	W13191.9	Y43473.0	038	54.7	56.3
0232	Oct-22	1541	4100.6	6647.5	W13118.9	Y43536.0	020	40.5	55.6
0233	Oct-22	1903	4126.9	6647.2	W12997.3	Y43671.2	130	41.3	57.9
0234	Oct-22	2133	4116.7	6632.5	W12988.8	Y43608.9	065	47.8	54.9
0235	Oct-22	2359	4120.1	6623.3	W12939.6	Y43619.2	080	50.3	55.2
0236	Oct-23	0641	4133.8	6623.3	W12875.2	Y43686.5	095	45.9	55.4
0237	Oct-23	1420	4138.2	6634.5	W12894.8	Y43717.4	033	38.8	59.4
0238	Oct-23	1650	4143.4	6618.4	W12810.8	Y43729.5	236	45.4	53.2
0239	Oct-23	2004	4153.6	6638.5	W12833.3	Y43795.6	275	39.4	55.8
0240	Oct-23	2233	4158.7	6653.3	W12863.9	Y43833.7	275	32.8	58.1

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Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0241	Oct-24	0238	4211.3	6659.3	W12821.5	Y43900.1	303	97.1	48.7
0242	Oct-24	0541	4218.8	6652.3	W12754.1	Y43928.1	112	158.6	47.1
0243	Oct-24	0813	4212.2	6646.9	W12769.0	Y43891.7	105	113.5	49.3
0244	Oct-24	1135	4206.4	6623.7	W12714.3	Y43842.5	092	48.1	51.1
0245	Oct-24	1251	4206.0	6606.8	W12657.6	Y43825.6	228	51.7	49.5
0246	Oct-24	1507	4155.8	6614.6	W12736.1	Y43785.1	168	42.4	52.9
0247	Oct-24	1832	4131.8	6602.2	W12809.7	Y43661.4	090	67.3	52.5
0248	Oct-24	2114	4146.2	6547.4	W12691.8	Y43718.1	035	73.3	52.2
0249	Oct-24	2305	4151.2	6551.5	W12681.0	Y43744.3	107	68.4	49.5
0250	Oct-25	0135	4151.1	6543.5	W12655.1	Y43738.0	319	158.6	50.7
0251	Oct-25	0355	4201.0	6546.2	W12615.3	Y43784.9		137.8	44.8
0252	Oct-25	0603	4203.9	6540.5	W12582.7	Y43793.7	344	144.1	47.3
0253	Oct-25	0948	4221.7	6550.5	W12523.2	Y43881.4	240	107.7	52.0
0254	Oct-25	1324	4218.7	6622.0	W12643.7	Y43897.3	305	138.6	49.1
0255	Oct-25	1622	4226.0	6635.7	W12653.4	Y43943.9	325	162.7	47.5
0256	Oct-25	2005	4248.7	6656.9	W12603.7	Y44068.9	270	101.2	50.2
0257	Oct-25	2227	4243.9	6716.0	W12706.6	Y44069.9	269	114.3	48.4
0258	Oct-26	0206	4243.5	6750.9	W12858.0	Y44111.2	047	100.9	48.2
0259	Oct-26	0541	4258.7	6721.0	W12639.6	Y44141.8	280	116.7	49.3
0260	Oct-26	0741	4301.4	6736.9	W12689.0	Y44174.2	305	100.9	47.3
0261	Oct-26	1035	4316.9	6749.3	W12646.9	Y44257.7	061	130.7	48.6
0262	Oct-26	1315	4318.4	6727.6	W12544.0	Y44234.9	051	108.3	48.9
0263	Oct-26	1523	4322.1	6716.4	W12476.0	Y44235.3	141	104.7	49.5
0264	Oct-26	1817	4323.0	6703.3	W12420.1	Y44222.5	025	116.7	50.2
0265	Oct-26	1956	4325.1	6658.9	W12390.9	Y44225.3	045	110.7	50.5
0266	Oct-26	2148	4324.9	6652.5	W12368.6	Y44216.6	050	112.6	51.1
0267	Oct-27	0025	4316.6	6646.4	W12398.8	Y44175.0	091	70.8	54.3
0268	Oct-27	0349	4311.6	6622.2	W12347.0	Y44126.2	234	42.4	51.3
0269	Oct-27	0840	4322.4	6634.1	W12321.2	Y44184.0	080	54.7	54.5
0270	Oct-27	1101	4339.3	6631.4	W12207.5	Y44247.4	299	57.7	54.0
0271	Oct-27	1226	4346.3	6636.0	W12177.7	Y44279.9	007	55.2	54.1
0272	Oct-27	1502	4348.2	6654.4	W12225.8	Y44310.6	354	75.2	53.4
0273	Oct-27	1633	4353.3	6655.6	W12196.2	Y44331.6	002	79.6	53.6
0274	Oct-27	1953	4412.9	6635.2	W12001.2	Y44376.8	035	31.2	52.7
0275	Oct-27	2210	4421.2	6643.0	W11967.6	Y44416.2	295	105.3	52.0
0276	Oct-28	0037	4416.5	6705.1	W12070.6	Y44428.8	234	70.3	52.0
0277	Oct-28	0338	4418.8	6732.3	W12153.5	Y44474.7	024	53.3	52.0
0278	Oct-28	0643	4403.0	6726.4	W12242.2	Y44409.3	200	99.2	49.5
0279	Nov-01	1922	4145.7	7019.1	X25353.7	Y44011.9	320	8.7	55.0
0280	Nov-01	2106	4156.5	7024.9	X25466.1	Y44086.7	308	21.3	52.5
0281	Nov-02	0000	4202.2	7025.1	X25506.0	Y44120.7	246	25.2	51.6
0282	Nov-02	0224	4201.5	7031.0	X25540.0	Y44126.5	336	20.5	50.9
0283	Nov-02	0528	4202.5	7034.5	X25570.2	Y44138.2	008	13.1	52.2
0284	Nov-02	0801	4208.3	7011.6	X25469.4	Y44134.3	032	29.0	48.6
0285	Nov-02	0940	4208.9	7008.7	X25458.0	Y44133.0	080	26.8	47.8
0286	Nov-02	1057	4208.3	7001.5	X25418.3	Y44118.2	140	47.0	45.1
0287	Nov-02	1316	4213.8	6947.3	W13626.0	Y44126.6	116	123.0	45.5
0288	Nov-02	1454	4209.1	6948.5	W13656.8	Y44102.3	166	76.8	43.9

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Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0289	Nov-02	1702	4202.4	6951.0	W13704.2	Y44068.5	158	56.3	43.5
0290	Nov-02	1833	4157.0	6956.9	W13764.8	Y44046.0	164	14.5	52.0
0291	Nov-02	2107	4157.2	6945.9	W13700.4	Y44031.1	340	62.3	43.3
0292	Nov-04	0922	4211.7	7033.4	X25622.5	Y44190.4	285	21.9	49.3
0293	Nov-04	1042	4214.1	7040.7	X25685.8	Y44216.8	340	10.9	52.0
0294	Nov-04	1216	4220.6	7046.5	X25765.7	Y44264.8	202	13.7	51.4
0295	Nov-04	1423	4217.9	7029.5	X25638.0	Y44218.9	115	42.9	47.7
0296	Nov-04	1555	4221.0	7019.0	X25597.7	Y44218.5	120	16.1	52.3
0297	Nov-04	1856	4222.0	7009.7	X25554.1	Y44208.0	141	41.0	44.2
0298	Nov-05	0000	4216.6	7005.0	X25493.6	Y44170.4	037	51.9	44.2
0299	Nov-05	0137	4218.4	6956.1	W13653.2	Y44166.0	145	104.2	44.8
0300	Nov-05	0352	4226.4	6951.5	W13584.4	Y44201.9	015	120.8	45.9
0301	Nov-05	0630	4229.9	7012.3	X25620.6	Y44255.2	000	40.7	44.2
0302	Nov-05	0943	4239.1	6950.2	W13507.5	Y44266.0	285	130.4	45.9
0303	Nov-05	1119	4241.5	6958.7	W13545.2	Y44292.6	346	96.5	44.2
0304	Nov-05	1340	4244.4	6959.2	W13531.3	Y44308.3	293	87.2	45.1
0305	Nov-05	1548	4248.6	7005.4	X25707.6	Y44340.6	308	59.1	43.3
0306	Nov-05	1905	4236.1	7030.4	X25761.1	Y44320.9	015	42.4	46.4
0307	Nov-05	2111	4248.7	7040.0	X25895.4	Y44404.8	003	35.8	43.7
0308	Nov-05	2304	4254.0	7028.6	X25861.4	Y44410.1	170	60.1	43.0
0309	Nov-06	0107	4254.0	7012.9	X25778.2	Y44381.0	062	64.8	43.0
0310	Nov-06	0257	4258.5	7002.3	X25754.2	Y44383.9	020	38.3	46.8
0311	Nov-06	0458	4303.6	7013.0	X25836.3	Y44427.7	052	94.9	43.5
0312	Nov-06	0625	4309.0	7005.0	X25829.4	Y44438.5	064	39.1	48.0
0313	Nov-06	0751	4311.5	6956.9	W13358.9	Y44435.7	190	82.8	45.3
0314	Nov-06	0938	4311.5	6951.2	W13324.0	Y44425.4	170	92.1	45.1
0315	Nov-06	1151	4258.4	6942.2	W13348.9	Y44348.1	118	74.9	44.2
0316	Nov-06	1400	4255.2	6933.3	W13316.3	Y44317.5	346	87.2	43.9
0317	Nov-06	1621	4310.7	6938.7	W13253.6	Y44399.8	313	35.5	46.6
0318	Nov-06	1825	4321.1	6948.8	W13249.5	Y44464.5	024	85.0	44.4
0319	Nov-06	2005	4326.1	6938.8	W13157.5	Y44468.6	031	76.8	43.2
0320	Nov-06	2301	4331.8	7002.1	X25945.0	Y44535.1	040	45.4	44.2
0321	Nov-07	0051	4333.6	6952.3	W13191.6	Y44525.1	036	45.9	44.6
0322	Nov-07	0256	4333.8	6937.5	W13099.7	Y44499.6	040	60.1	43.0
0323	Nov-07	0613	4318.3	6917.5	W13083.4	Y44398.0	002	87.2	45.0
0324	Nov-07	0844	4326.9	6905.2	W12959.5	Y44415.2	122	88.6	45.5
0325	Nov-07	2151	4335.5	6906.6	W12909.9	Y44453.8	120	72.7	45.0
0326	Nov-07	2349	4329.4	6855.2	W12888.3	Y44409.4	335	61.8	49.5
0327	Nov-08	0348	4355.5	6844.5	W12653.7	Y44497.9	255	49.5	51.4
0328	Nov-08	0641	4348.6	6828.0	W12617.2	Y44444.7	055	72.7	50.9
0329	Nov-08	0832	4356.2	6820.3	W12526.2	Y44462.5	030	58.5	51.4
0330	Nov-08	0945	4359.4	6817.2	W12488.5	Y44470.2	040	54.4	51.3
0331	Nov-08	1302	4411.4	6758.7	W12316.9	Y44486.8	181	40.7	51.8
0332	Nov-08	1622	4354.2	6733.0	W12330.1	Y44385.3	208	112.6	49.3
0333	Nov-08	2128	4328.8	6819.6	W12710.1	Y44351.6	220	97.3	47.3
0334	Nov-08	2305	4325.6	6824.5	W12754.8	Y44345.6	218	100.6	47.5
0335	Nov-09	0212	4303.9	6841.2	W12977.3	Y44275.8	257	100.6	46.6
0336	Nov-09	0509	4301.9	6908.6	W13136.1	Y44308.9	218	70.5	45.0

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0337	Nov-09	0728	4259.2	6852.2	W13063.8	Y44270.7	130	90.5	46.2
0338	Nov-09	0905	4253.1	6852.1	W13100.0	Y44242.3	165	87.8	46.6
0339	Nov-09	1105	4243.5	6858.4	W13189.7	Y44205.8	135	83.9	44.6
0340	Nov-09	1252	4240.5	6849.1	W13158.3	Y44177.4	108	79.3	46.4
0341	Nov-09	1641	4216.0	6854.1	W13320.9	Y44060.4	263	104.7	46.4
0342	Nov-09	1817	4215.9	6901.2	W13358.5	Y44070.1	252	102.5	46.2
0343	Nov-09	2116	4223.8	6919.5	W13416.0	Y44137.9	245	131.2	47.1
0344	Nov-09	2352	4218.3	6936.6	W13540.9	Y44134.9	251	128.8	45.9
0345	Nov-10	0251	4205.7	6925.0	W13540.7	Y44048.7	143	109.4	45.7
0346	Nov-10	0513	4156.3	6913.2	W13524.2	Y43980.2	199	110.7	45.1

NMFS-NEFSC FALL BOTTOM TRAWL SURVEY
ALBATROSS IV SEP 20 - NOV 10, 1999
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

STATION	SPINY DOGFISH	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	BUTTERFISH	BLUEFISH	ATLANTIC CROAKER	BLACK SEA BASS	SCUP	WEAKFISH	SPOT	ACADIAN REDFISH	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL * OTHER	TOTAL ALL		
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	2	8		
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	46	2	51		
3	1	2	0	0	0	0	2	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	12	107	128		
4	1	1	0	0	0	0	1	0	0	0	0	0	0	9	0	0	0	0	0	0	0	3	0	54	156	225		
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	17	9	34		
6	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		
7	0	0	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	6	19	7	67	
8	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	81	93	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	13	18		
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	1	9	16	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	11	15	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	15	28	44	
13	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	16	27	
14	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	39	45	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	11	49	62	
16	0	0	0	0	0	0	0	0	1	0	0	0	0	4	11	0	0	0	1	0	0	0	0	0	22	178	217	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	0	1	0	1	0	0	0	0	0	20	43	77	
18	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	19	25	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	3	62	70	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1	2	3	47	56	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	2	0	1	30	36	
22	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	0	0	2761	2771	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	136	209	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	350	359	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	6	0	0	0	0	0	0	9	19	38	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	48	102	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	5	51	59	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	14	26	41	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	18	150	173	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	67	71	
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	11	25	0	0	0	0	24	83	83	
33	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	26	0	2	10	16	0	0	0	0	57	114	114	
34	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	19	0	0	35	16	0	0	0	0	17	90	90	
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	44	2	50	0	0	0	6	23	140	140	
36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	13	13

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	SPINY DOGFISH	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	BUTTERFISH	BLUEFISH	ATLANTIC CROAKER	BLACK SEA BASS	SCUP	WEAKFISH	SPOT	ACADIAN REDFISH	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL * OTHER	TOTAL ALL	
38	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	80	0	5	11	13	0	0	0	0	30	140	
39	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	76	0	1	23	15	0	0	0	0	165	285	
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	0	2	11	9	0	0	0	0	69	142	
41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	0	0	10	7	0	0	0	0	253	343	
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	17	6	32	0	0	0	0	89	169	
43	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	53	0	0	70	29	0	0	0	2	42	206	
44	0	0	0	0	0	0	0	0	0	0	0	0	0	22	4	8	0	0	7	17	0	0	0	0	61	119	
45	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	51	0	0	0	0	0	35	439	540	
46	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1	273	0	7	17	173	0	0	0	0	8	191	681
47	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	175	1	0	9	57	0	0	0	5	163	415	
48	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	247	0	0	90	77	0	0	0	0	22	441	
49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	923	0	11	4	85	0	0	0	0	20	1043	
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	712	0	31	8	78	0	0	0	0	45	874	
51	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	182	0	0	56	4	0	0	0	0	69	313	
52	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	42	0	20	7	2	0	0	0	1	20	101	
53	0	0	0	0	0	0	0	0	2	0	0	0	0	3	0	101	0	13	42	12	0	0	0	0	76	249	
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	668	0	1	43	154	0	0	0	0	125	991	
55	0	0	0	0	0	0	0	0	2	0	0	0	0	2	1	6	0	19	0	2	0	0	0	2	295	329	
56	0	0	0	0	0	0	0	0	3	0	0	0	0	2	0	7	0	0	199	1	0	0	0	0	70	282	
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6	
58	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	77	0	0	0	0	0	8	115	206	
59	0	0	0	0	0	0	0	0	5	0	0	0	0	0	2	147	4	70	2	4	0	0	0	15	47	296	
60	0	0	0	0	0	0	0	0	3	0	0	0	0	1	2	3	0	3	129	129	0	0	0	2	600	872	
61	0	0	0	0	0	0	0	0	3	0	0	0	0	7	1	6	0	0	166	3	0	0	0	0	120	306	
62	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1475	0	66	37	19	0	0	0	0	38	1636	
63	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	2733	0	18	33	56	0	0	0	0	160	3003	
64	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	228	0	30	6	9	0	0	0	0	28	305	
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	13	85	104	
66	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	11	223	240	
67	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	4	0	60	0	0	0	0	0	10	47	129	
68	0	0	0	0	0	0	0	0	4	0	0	0	0	69	19	0	0	0	213	0	0	0	0	2	389	696	
69	0	0	0	0	0	0	0	0	2	0	0	0	0	37	23	18	0	0	203	4	0	0	0	1	111	399	
70	0	0	0	0	0	0	0	0	3	0	0	0	2	22	16	522	0	0	382	11	0	0	0	6	27	991	
71	0	0	0	0	0	0	0	0	1	0	0	0	1	0	3	922	0	23	18	4	0	0	0	1	70	1043	
72	0	0	0	0	0	0	0	0	12	0	0	0	0	0	2	3	0	0	0	0	0	0	0	5	266	288	
73	0	0	0	0	0	0	0	0	2	0	0	0	1	0	11	115	2	15	7	20	0	0	0	3	29	205	
74	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	25	0	0	214	0	0	0	0	0	63	304	
75	0	0	0	0	0	0	0	0	10	0	0	0	0	0	7	289	0	0	272	8	0	0	0	2	56	644	

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

	SPINY DOGFISH	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	BUTTERFISH	BLUEFISH	ATLANTIC CROAKER	BLACK SEA BASS	SCUP	WEAKFISH	SPOT	ACADIAN REDFISH	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL * OTHER	TOTAL ALL	
76	0	0	0	0	0	0	0	0	1	0	0	0	2	58	36	220	0	2	51	4	0	0	0	4	110	488	
77	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	1	0	4	0	0	0	0	0	17	286	311	
78	0	0	0	0	0	0	0	0	2	0	0	0	1	16	22	77	0	0	12	0	0	0	0	4	38	172	
79	0	0	0	0	0	0	0	0	21	0	0	0	0	8	24	46	0	0	15	7	0	0	0	2	54	177	
80	0	0	0	0	0	0	0	0	4	0	0	0	2	3	0	476	0	0	335	0	0	0	0	0	65	885	
81	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	375	0	1	59	0	0	0	0	0	99	545	
82	0	0	0	0	0	0	0	0	7	0	0	0	7	0	3	637	0	550	8	0	0	0	0	3	221	1436	
83	0	0	0	0	0	0	0	0	4	0	0	0	3	1	2	485	0	101	65	1	0	0	0	4	209	875	
84	0	0	0	0	0	0	0	0	24	0	0	0	0	0	3	2	0	1	0	0	0	0	0	6	51	87	
85	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	1	32	0	0	0	0	0	5	259	306	
86	0	0	0	0	0	0	0	0	11	0	0	0	1	0	0	0	2	1	0	0	0	0	1	7	330	353	
87	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	81	105	
88	0	0	0	0	0	0	0	0	13	0	0	0	0	2	2	0	3	157	0	0	0	0	0	5	347	529	
89	0	0	0	0	0	0	0	0	6	0	0	0	2	40	71	29	0	13	80	1	0	0	0	7	311	560	
90	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	1	0	0	0	0	0	10	292	310	
91	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	141	0	0	0	0	0	14	35	207	
92	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	11	64	81	
93	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	45	69	
94	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	97	99	
95	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	335	335
96	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	2	0	109	114	
97	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	32	39	73	
98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	69	84	
99	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	11	3	14	14	44	
100	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	155	168	
101	1	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	4	2	33	6	53
102	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	88	5	97	
103	0	0	0	0	0	0	0	0	6	0	7	0	0	69	7	0	0	360	0	0	0	0	0	17	15	481	
104	0	0	0	0	0	0	0	0	16	0	23	0	1	0	0	0	0	53	13	0	0	0	15	1	49	171	
105	0	0	0	0	0	0	0	0	3	1	9	0	0	0	0	0	0	0	0	0	0	0	3	3	25	44	
106	0	0	0	0	0	0	0	0	18	0	7	0	2	0	0	0	0	28	0	0	0	0	0	6	47	108	
107	0	0	0	0	0	0	0	0	14	0	4	0	1	0	7	0	0	73	43	0	0	0	0	10	122	274	
108	0	1	0	0	0	0	0	0	31	0	16	0	0	0	11	0	1	3	6	0	0	0	1	9	13	92	
109	0	1	0	0	0	0	0	0	39	0	0	0	2	0	13	0	0	2	4	0	0	0	0	3	15	79	
110	0	0	0	0	0	0	0	0	9	0	0	0	0	1	13	0	0	1	0	0	0	0	0	21	3	48	
111	0	0	0	0	0	0	0	0	2	0	2	0	0	55	35	0	0	313	30	0	0	0	0	3	39	479	
112	0	0	0	0	0	0	0	0	44	0	0	0	0	144	13	0	0	25	0	0	0	0	1	76	9	312	
113	0	0	0	0	0	0	0	0	10	0	1	0	0	4	0	0	0	1	0	0	0	0	1	133	1	151	

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

	SPINY DOGFISH	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	BUTTERFISH	BLUEFISH	ATLANTIC CROAKER	BLACK SEA BASS	SCUP	WEAKFISH	SPOT	ACADIAN REDFISH	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL * OTHER	TOTAL ALL
114	0	0	0	0	0	0	0	0	16	0	0	0	0	74	7	0	0	2	0	0	0	0	0	9	129	237
115	0	0	0	0	0	0	0	0	13	0	0	0	0	6	5	0	0	2	0	0	0	0	0	78	0	104
116	0	0	0	0	0	0	0	0	2	0	0	0	0	74	29	0	0	9	0	0	0	0	0	4	102	220
117	0	0	0	0	0	0	0	0	2	0	0	0	1	159	1	0	0	1	0	0	0	0	1	176	2	343
118	0	0	0	0	0	0	0	0	7	0	0	0	1	7	18	0	0	2	0	0	0	0	0	21	11	67
119	0	0	0	0	0	0	0	0	74	0	0	0	10	0	0	0	26	27	91	0	0	0	0	3	117	348
120	0	0	0	0	0	0	0	0	12	0	0	0	4	1	0	0	3	26	29	0	0	0	0	4	31	110
121	0	0	0	0	0	0	0	0	11	0	1	0	1	2	0	0	3	24	0	0	0	0	0	4	19	65
122	70	0	0	0	0	0	0	0	1	0	6	0	0	1	0	0	0	10	0	0	0	0	0	1	128	217
123	65	0	0	0	0	0	0	0	0	21	4	0	0	0	0	0	0	0	0	0	0	0	0	15	110	215
124	117	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	1	0	90	41	254
125	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	105	41	149
126	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	18	45
127	124	0	0	0	0	0	0	0	0	0	5	0	0	2	7	0	0	0	0	0	0	0	0	59	34	231
128	270	10	0	0	0	0	1	0	2	2	26	0	0	0	0	0	0	0	0	0	0	0	8	4	345	668
129	0	0	0	0	0	0	0	0	0	0	24	0	1	0	0	0	1	0	0	0	0	0	0	0	59	85
130	0	0	0	0	0	0	0	0	7	0	5	0	1	0	3	0	4	13	0	0	0	0	1	7	96	137
131	0	1	0	0	0	0	0	0	12	0	0	0	1	0	0	0	1	1	0	0	0	0	0	2	103	121
132	0	0	0	0	0	0	0	0	1	0	0	0	2	0	4	0	0	11	0	0	0	0	0	13	89	120
133	0	0	0	0	0	0	0	0	2	0	0	0	4	23	3	2	0	119	19	0	0	0	0	39	53	264
134	0	0	0	0	0	0	0	0	4	0	0	0	0	1	0	0	0	7	1	0	0	0	0	20	22	55
135	0	0	0	0	0	0	0	0	4	0	0	0	0	80	1	0	0	26	1	0	0	0	0	105	61	278
136	0	0	0	0	0	0	0	0	7	0	0	0	1	43	1	0	0	0	9	0	0	0	0	10	100	171
137	0	0	0	0	0	0	0	0	2	0	9	0	0	71	0	0	0	0	2	0	0	0	1	65	37	187
138	0	0	0	0	0	0	0	0	12	0	0	0	0	60	123	0	0	9	0	0	0	0	0	7	30	241
139	0	0	0	0	0	0	0	0	6	0	0	0	0	13	7	0	0	1	0	0	0	0	0	47	31	105
140	0	2	0	0	0	0	0	0	2	0	1	0	0	1	1	0	0	3	0	0	0	0	0	2	21	33
141	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	37	68
142	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	0	1	0	0	0	0	0	11	41	101
143	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8	0	0	0	0	0	7	23	46
144	0	0	0	0	0	0	0	0	5	0	0	0	2	1	7	0	0	75	19	0	0	0	0	7	37	153
145	0	0	0	0	0	0	0	0	24	0	0	0	3	0	0	0	0	18	4	0	0	0	0	27	35	111
146	0	0	0	0	0	0	0	0	17	0	0	0	7	0	0	0	0	3	0	0	0	0	0	1	176	204
147	0	0	0	0	0	0	0	0	15	0	0	0	3	10	5	0	0	7	0	0	0	0	0	17	45	102
148	128	2	0	0	0	0	0	0	0	6	9	0	0	2	0	0	0	0	0	0	0	0	1	64	69	281
149	38	0	0	0	0	0	0	0	3	0	8	0	0	0	0	0	0	0	0	0	0	0	0	33	20	102
150	4	0	0	0	0	0	0	0	0	0	1	0	0	0	7	0	0	0	0	0	0	0	0	25	3	40
151	57	13	0	0	0	0	7	0	4	3	2	0	0	3	0	0	0	0	0	0	0	2	1	97	4	193

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	SPINY DOGFISH	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	BUTTERFISH	BLUEFISH	ATLANTIC CROAKER	BLACK SEA BASS	SCUP	WEAKFISH	SPOT	ACADIAN REDFISH	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL * OTHER	TOTAL ALL
152	119	25	0	0	0	0	22	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	8	182
153	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	5	6	14	46
154	9	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	11	35	56
155	0	1	0	0	0	0	2	0	0	0	0	0	0	34	0	0	0	0	0	0	0	2	2	15	17	73
156	6	1	0	0	0	0	5	0	0	0	0	0	0	85	0	0	0	0	0	0	0	7	3	24	11	142
157	33	0	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	0	0	4	55	4	131
158	67	1	0	0	0	0	0	0	0	0	0	0	0	231	0	0	0	0	0	0	0	4	3	41	2	349
159	106	2	0	0	0	0	0	0	10	0	0	0	0	388	0	0	0	0	0	0	0	0	4	35	1	546
160	328	1	0	0	0	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	96	1	495
161	99	16	0	0	0	0	7	0	0	0	14	0	0	17	0	0	0	0	0	0	0	2	2	30	25	212
162	139	0	0	0	0	0	0	0	16	0	2	0	1	0	21	0	3	73	10	0	0	0	0	16	43	324
163	1014	1	0	0	0	0	0	0	7	0	3	0	1	3	0	0	0	22	0	0	0	0	0	13	52	1116
164	11	0	0	0	0	0	0	0	4	0	0	0	0	3	0	0	0	2	0	0	0	0	0	14	15	49
165	843	22	0	0	0	0	0	0	29	0	3	0	1	67	4	0	0	7	0	0	0	0	0	7	226	1209
166	57	0	0	0	0	0	0	0	2	0	0	0	0	41	0	0	0	0	0	0	0	0	0	16	73	189
167	83	46	0	0	0	0	14	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	10	60	218
168	103	26	0	0	0	0	4	0	5	1	0	0	0	2	27	0	0	0	0	0	0	6	0	21	15	210
169	52	2	0	0	0	0	0	0	7	0	0	0	0	5	0	0	0	0	0	0	0	0	1	36	4	107
170	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	35	2	40
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	41	2	44
172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	2	44
173	8	2	0	0	0	0	48	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	1		25	88
174	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5	14
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	31	41
176	22	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	9	33	68
177	31	1	0	0	0	0	0	0	2	0	2	0	5	0	0	0	0	0	0	0	0	0	0	4	50	95
178	52	0	0	0	0	0	0	0	5	1	0	0	4	2	17	0	0	0	0	0	0	0	0	19	12	112
179	651	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	28	20	700
180	1999	0	0	0	0	0	0	0	0	0	1	0	3	26	0	0	0	0	0	0	0	0	0	49	70	2148
181	2354	0	0	0	0	0	0	0	0	0	0	0	1	0	44	0	0	0	0	0	0	0	1	1	35	2436
182	2299	0	5	0	0	0	0	0	0	0	6	0	4	1	0	0	0	0	0	0	0	0	2	30	54	2401
183	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	129	20	159
184	0	0	0	0	0	0	0	0	2	1	0	0	1	0	5	0	0	0	0	0	0	0	9	25	44	87
185	2	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	22	16	50
186	9	0	23	0	0	0	0	0	0	3	6	0	21	0	0	0	0	0	0	0	0	0	1	14	92	169
187	0	0	0	0	0	0	3	0	0	3	0	0	2	0	0	0	0	0	0	0	0	0	0	19	126	153
188	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	26	49
189	4	1	0	0	0	0	0	0	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	98	12	124

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	SPINY DOGFISH	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	BUTTERFISH	BLUEFISH	ATLANTIC CROAKER	BLACK SEA BASS	SCUP	WEAKFISH	SPOT	ACADIAN REDFISH	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL * OTHER	TOTAL ALL
190	2	0	0	0	0	0	0	0	4	12	0	0	1	0	0	0	0	0	0	0	0	0	0	13	0	32
191	29	0	0	0	0	0	0	0	0	0	0	0	0	1	8	0	0	0	0	0	0	0	6	44	23	111
192	5	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3	52	59	122
193	24	0	0	0	0	0	0	0	0	0	0	0	0	1	332	0	0	0	0	0	0	0	0	70	32	459
194	0	0	0	0	0	0	0	0	31	0	25	0	30	0	0	0	0	0	0	0	0	0	1	35	1081	1203
195	0	0	0	0	0	0	0	0	0	0	11	0	17	0	0	0	0	0	0	0	0	0	0	33	52	113
196	0	22	0	0	0	0	23	0	0	2	0	0	0	1	11	0	0	0	0	0	0	0	4	0	119	182
197	0	5	15	695	0	4	0	52	0	0	0	9	0	0	0	0	0	0	0	0	5	0	0	0	22	807
198	4	11	0	0	0	0	1	5	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	44	68
199	15	0	101	1161	7	0	3	2	0	0	0	1	0	0	0	0	0	0	0	0	354	0	0	0	17	1661
200	963	0	6	0	0	0	0	0	0	2	41	0	0	4	0	0	0	0	0	0	0	0	22	57	653	1748
201	876	24	0	0	0	2	78	14	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	1	98	1096
202	2123	3	59	0	0	0	0	0	0	3	112	0	0	0	13	0	0	0	0	0	0	0	21	40	934	3308
203	543	0	44	0	0	0	0	0	0	2	144	0	1	0	0	0	0	0	0	0	0	0	25	8	176	943
204	2043	0	9	0	0	0	0	0	0	0	11	0	31	0	0	0	0	1	0	0	0	0	1	11	150	2257
205	211	3	4	1	0	0	0	0	0	15	113	0	1	1	7	0	0	0	0	0	0	0	0	6	180	542
206	9	17	0	6	1	3	6	0	0	12	7	0	0	1	0	0	0	0	0	0	0	0	0	0	52	114
207	0	6	0	0	0	1	5	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	138
208	0	27	0	0	0	13	24	6	0	2	0	1	0	0	0	0	0	0	0	0	0	20	0	0	4	97
209	1	8	0	0	0	0	0	0	0	2	2	0	0	9	0	0	0	0	0	0	0	0	2	21	328	373
210	11	0	0	0	0	0	0	0	0	0	1	0	0	37	7	0	0	0	0	0	0	0	34	89	44	223
211	1	0	0	0	0	0	0	0	4	12	5	0	32	0	83	0	0	0	0	0	0	0	20	24	51	232
212	2	11	0	0	0	0	20	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	13	0	451	527
213	0	12	5	0	0	18	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	23	71
214	0	5	5	0	0	22	3	0	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	6	99
215	1	16	0	6	0	33	4	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	3	68
216	0	9	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	14
217	2	25	5	0	0	4	5	15	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	35	96
218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	2	48	67	141
219	2	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	2	36	163	215
220	15	0	0	0	0	0	0	0	0	0	94	0	3	189	0	0	0	0	0	0	0	0	10	111	53	475
221	33	0	0	0	0	0	0	0	0	0	0	0	3	53	8	0	0	0	0	0	0	0	4	114	16	231
222	30	0	0	0	0	0	0	0	0	0	0	0	9	1	0	0	0	0	0	0	0	0	3	8	93	144
223	2	1	0	0	0	0	2	0	0	3	3	0	20	0	0	0	0	0	0	0	0	0	0	10	40	81
224	2	4	0	0	0	0	0	0	0	14	0	0	8	0	7	0	0	0	0	0	0	0	0	5	105	145
225	0	1	0	0	0	0	1	0	0	38	0	0	2	0	0	0	0	0	0	0	0	0	0	3	107	152
226	2	0	0	0	0	0	0	0	0	1	0	0	14	0	0	0	0	0	0	0	0	0	0	14	61	92
227	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	10	26

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	SPINY DOGFISH	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	BUTTERFISH	BLUEFISH	ATLANTIC CROAKER	BLACK SEA BASS	SCUP	WEAKFISH	SPOT	ACADIAN REDFISH	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL * OTHER	TOTAL ALL	
228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	1	1	16	
229	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	7	
230	148	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	38	138	330	
231	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	48	12	106	
232	0	1	0	0	0	0	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	10	12	156	184	
233	0	2	0	0	0	2	0	0	0	106	18	0	1	0	0	0	0	0	0	0	0	0	5	12	1	107	254
234	0	3	0	0	0	3	2	2	0	27	1	0	0	0	0	0	0	0	0	0	0	0	17	1	667	723	
235	0	3	0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	36	0	433	478	
236	1	0	0	0	0	0	0	3	0	116	0	0	0	1	0	0	0	0	0	0	0	0	25	2	37	185	
237	0	0	0	0	0	0	0	2	0	61	0	0	4	1	0	0	0	0	0	0	0	0	5	8	19	100	
238	0	0	0	0	0	0	0	0	0	104	10	0	0	0	0	0	0	0	0	0	0	0	1	6	0	96	217
239	4	0	0	0	0	0	0	0	0	59	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	180
240	4	0	0	0	0	0	0	0	0	3	1	0	9	0	0	0	0	0	0	0	0	0	0	0	0	87	104
241	0	0	0	0	0	4	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	30	53	
242	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5
243	0	11	5	0	0	3	22	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	31	83	
244	0	0	98	2882	18	0	0	2	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	3051
245	0	2	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	156	192
246	0	0	4	15	0	0	1	0	0	46	22	0	0	0	0	0	0	0	0	0	0	5	0	2	62	157	
247	2	2	0	1	0	0	6	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	9	3	56	122	
248	0	0	23	7	25	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	77	141	
249	0	1	13	18	1	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5	0	202	243	
250	0	0	10	350	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	0	0	0	14	461	
251	0	1	33	416	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	4	481	
252	0	0	0	4	102	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	19	128	
253	0	2	4	16	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	7	37	
254	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	0
255	0	2	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	7	27	
256	0	2	0	26	75	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	10	116	
257	0	8	0	4	4	10	0	0	0	0	0	1	0	0	0	0	0	0	0	0	8	0	0	0	15	50	
258	3	32	2	11	19	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	119	0	0	0	13	202	
259	0	11	4	0	1	9	0	0	0	0	0	1	0	0	0	0	0	0	0	0	51	0	1	0	11	89	
260	0	15	6	48	0	21	0	0	0	0	0	1	0	0	0	0	0	0	0	0	89	0	0	0	1	181	
261	0	26	0	9	1	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	52	
262	0	3	6	69	0	12	1	3	0	0	0	0	0	0	0	0	0	0	0	0	95	0	0	0	3	192	
263	184	9	17	13	172	9	0	1	0	0	0	1	0	0	0	0	0	0	0	0	104	0	0	0	3	513	
264	0	38	0	8	0	6	6	6	0	0	0	1	0	0	0	0	0	0	0	0	5	0	3	0	22	95	
265	0	8	0	6	0	0	2	16	0	0	0	2	0	0	0	0	0	0	0	0	5	0	1	0	2	42	

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CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

	SPINY DOGFISH	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	BUTTERFISH	BLUEFISH	ATLANTIC CROAKER	BLACK SEA BASS	SCUP	WEAKFISH	SPOT	ACADIAN REDFISH	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL * OTHER	TOTAL ALL	
266	0	17	0	0	0	11	0	8	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	17	54
267	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3
268	339	0	8	75	2	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	9	0	6	453	
269	2	4	0	15	0	2	1	6	0	2	0	0	0	1	0	0	0	0	0	0	0	0	13	0	11	57	
270	19	4	20	170	0	0	1	3	0	1	19	0	0	9	0	0	0	0	0	0	2	0	53	1	12	314	
271	6	2	4	180	0	3	1	2	0	12	50	0	0	0	0	0	0	0	0	0	2	6	9	0	49	326	
272	0	2	17	22	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	21	0	24	98	
273	4	1	6	25	7	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	35	108	
274	450	0	66	2	23	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	596
275	141	6	0	4	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	159
276	726	2	16	4	0	2	2	2	0	0	0	4	0	0	0	0	0	0	0	0	3	0	1	0	7	769	
277	34	3	0	0	0	5	0	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	5	53	
278	15	14	0	0	0	2	1	9	0	0	0	6	0	0	0	0	0	0	0	0	0	1	11	0	12	71	
279	20	52	0	0	0	0	1	0	0	0	50	0	22	13	0	0	0	4	0	0	0	0	6	14	50	232	
280	76	20	0	0	0	7	71	0	0	28	47	0	19	0	0	0	1	0	0	0	0	4	143	9	93	518	
281	59	18	16	0	0	5	37	3	4	1	28	0	0	0	0	0	0	0	0	0	0	2	78	4	36	291	
282	141	9	96	0	0	3	51	0	2	52	122	0	1	0	0	0	0	0	0	0	0	2	94	1	143	717	
283	98	6	35	0	0	2	0	0	0	74	96	0	8	0	0	0	0	1	0	0	0	0	41	45	67	473	
284	251	6	9	0	0	1	4	0	0	37	18	0	0	0	0	0	0	0	0	0	0	3	1	13	11	354	
285	620	1	4	1	0	0	0	0	0	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	7	55	701
286	616	4	0	0	0	0	20	20	0	0	0	2	0	1	0	0	0	0	0	0	0	0	4	7	51	725	
287	16	59	0	0	0	6	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	114	
288	40	4	15	33	12	0	10	24	0	0	0	0	0	0	0	0	0	0	0	0	194	0	0	8	41	381	
289	11	2	7	19	0	1	3	21	0	0	0	4	0	0	0	0	0	0	0	0	0	0	3	0	23	94	
290	6083	6	59	0	2	0	9	0	0	10	27	0	1	0	0	0	0	0	0	0	0	0	2	10	29	6238	
291	15	39	30	10	0	3	33	18	0	0	0	8	0	0	0	0	0	0	0	0	1	14	0	0	40	211	
292	199	6	68	0	17	2	9	0	0	93	93	0	0	13	0	0	0	5	0	0	0	0	95	6	63	669	
293	154	0	10	0	0	0	0	0	0	0	11	0	0	1	0	0	0	0	0	0	0	0	15	1	7	199	
294	157	0	31	0	1	0	0	0	0	2	14	0	0	0	0	0	0	4	0	0	0	0	17	2	23	251	
295	78	13	0	0	0	2	20	124	0	1	1	0	0	0	0	0	0	0	0	0	0	0	32	6	69	346	
296	866	7	100	2	1	0	2	2	0	112	53	0	0	1	0	0	0	0	0	0	0	8	5	33	73	1265	
297	12	0	35	24	0	0	5	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	31	111
298	371	3	150	34	22	0	10	6	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	46	647
299	135	158	0	0	0	47	9	9	0	0	0	0	0	0	0	0	0	0	0	0	21	14	0	0	183	576	
300	234	76	0	0	0	0	1	11	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	23	347	
301	97	0	81	145	0	0	2	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	52	429	
302	194	36	10	0	0	0	8	20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	24	294	
303	221	33	0	0	0	50	13	23	0	0	0	0	0	0	0	0	0	0	0	0	1189	0	0	0	33	1562	

NMFS-NEFSC FALL BOTTOM TRAWL SURVEY
ALBATROSS IV SEP 20 - NOV 10, 1999
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

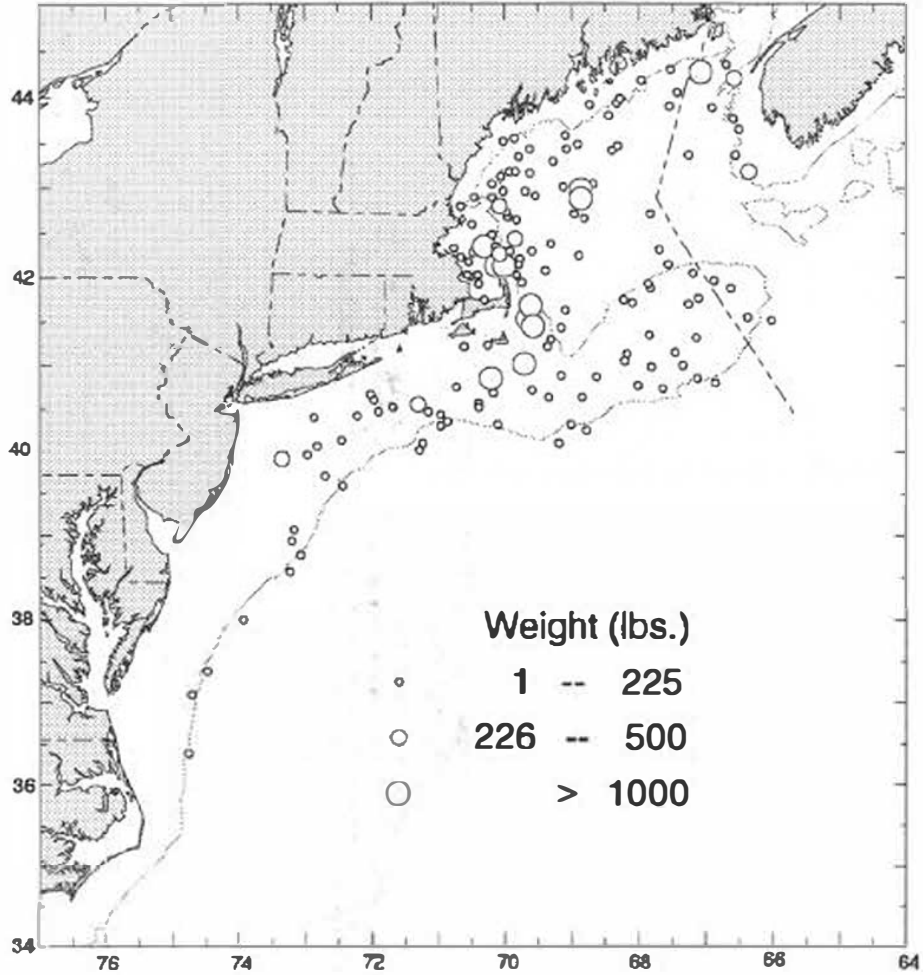
	SPINY DOGFISH	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	BUTTERFISH	BLUEFISH	ATLANTIC CROAKER	BLACK SEA BASS	SCUP	WEAKFISH	SPOT	ACADIAN REDFISH	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL * OTHER	TOTAL ALL	
304	162	30	0	4	0	18	18	68	0	0	0	0	0	0	0	0	0	0	0	0	1081	3	0	0	107	1491	
305	255	2	52	0	0	11	11	19	0	0	0	4	0	0	0	0	0	0	0	0	9	0	0	2	56	421	
306	36	9	28	0	8	0	13	16	0	0	5	0	1	0	0	0	0	0	0	0	6	0	26	0	38	186	
307	49	4	2	1	0	1	7	6	0	14	14	0	1	0	0	0	0	0	0	0	0	7	63	0	22	191	
308	15	10	0	0	0	0	11	21	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	36	96	
309	21	14	17	0	0	0	25	28	0	0	0	10	0	0	0	0	0	0	0	0	36	19	0	0	100	270	
310	21	64	52	39	26	0	20	10	0	75	2	0	0	0	0	0	0	0	0	0	2	0	0	0	53	364	
311	44	233	0	0	1	16	68	12	0	0	0	5	0	0	0	0	0	0	0	0	53	0	0	0	28	460	
312	161	27	136	74	127	12	13	11	0	0	4	0	0	0	0	0	0	0	0	0	10	0	0	0	59	634	
313	69	57	0	0	0	3	15	19	0	0	0	3	0	0	0	0	0	0	0	0	6	4	0	0	52	228	
314	16	43	0	0	0	6	19	25	0	0	0	0	0	0	0	0	0	0	0	0	24	6	0	0	8	147	
315	16	2	40	66	0	5	5	11	0	0	0	0	0	0	0	0	0	0	0	0	184	0	6	0	41	376	
316	6	17	0	0	6	6	19	18	0	0	0	0	0	0	0	0	0	0	0	0	469	3	0	0	35	579	
317	10	8	26	52	17	5	2	0	0	32	6	0	0	0	0	0	0	0	0	0	1	0	0	0	6	165	
318	68	39	0	0	0	2	19	82	0	0	0	4	0	0	0	0	0	0	0	0	33	3	5	0	19	274	
319	54	39	0	0	0	3	13	4	0	0	0	2	0	0	0	0	0	0	0	0	1	2	0	0	20	138	
320	19	19	0	4	0	2	16	4	0	2	2	0	0	0	0	0	0	0	0	0	2	0	55	0	45	170	
321	9	24	0	0	0	1	9	1	0	1	1	0	0	0	0	0	0	0	0	0	2	4	21	0	69	142	
322	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	0
323	172	88	0	0	0	17	14	3	0	0	0	10	0	0	0	0	0	0	0	0	4	4	0	3	39	354	
324	129	57	0	0	0	13	30	7	0	0	0	27	0	0	0	0	0	0	0	0	1	2	0	0	43	309	
325	90	64	1	0	0	7	18	17	0	0	0	12	0	0	0	0	0	0	0	0	2	4	5	0	43	263	
326	84	72	3	1	0	3	20	2	0	0	0	1	0	0	0	0	0	0	0	0	4	3	16	0	16	225	
327	5	29	0	0	0	15	1	0	0	0	1	0	3	0	0	0	0	0	0	0	0	1	208	0	63	326	
328	85	52	0	0	0	29	9	2	0	0	0	14	0	0	0	0	0	0	0	0	1	5	9	0	13	219	
329	60	17	0	0	0	26	7	2	0	0	0	6	0	1	0	0	0	0	0	0	0	0	31	1	29	180	
330	39	19	0	0	0	19	1	1	0	0	2	3	0	1	0	0	0	0	0	0	0	0	27	2	31	145	
331	19	13	0	0	0	2	0	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	26	46	16	126	
332	106	20	0	12	0	38	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	3	184	
333	48	62	0	0	0	13	13	8	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	8	171	
334	139	42	0	0	0	3	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	211	
335	144	26	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	10	195	
336	40	35	0	0	0	6	14	0	0	0	0	4	0	0	0	0	0	0	0	0	35	2	0	0	12	148	
337	514	24	0	0	0	7	9	22	0	0	0	6	0	0	0	0	0	0	0	0	356	4	0	0	21	963	
338	608	6	10	4	31	7	5	2	0	0	0	2	0	0	0	0	0	0	0	0	318	0	0	0	42	1035	
339	27	12	43	0	11	0	8	2	0	0	0	4	0	0	0	0	0	0	0	0	146	0	0	0	32	285	
340	13	6	8	0	106	8	6	2	0	0	0	2	0	0	0	0	0	0	0	0	108	0	0	0	44	303	
341	7	105	0	0	0	11	8	9	0	0	0	1	0	0	0	0	0	0	0	0	0	5	0	0	3	149	

NMFS-NEFSC FALL BOTTOM TRAWL SURVEY
ALBATROSS IV SEP 20 - NOV 10, 1999
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

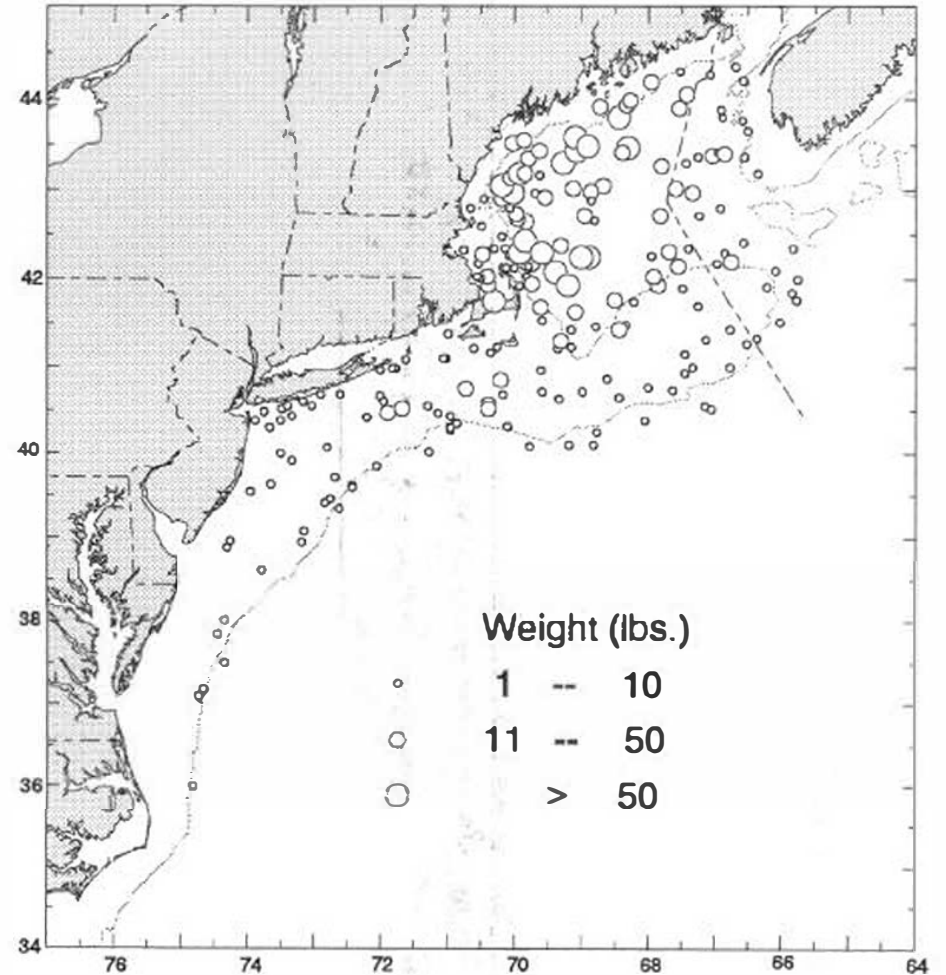
	SPINY DOGFISH	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	BUTTERFISH	BLUEFISH	ATLANTIC CROAKER	BLACK SEA BASS	SCUP	WEAKFISH	SPOT	ACADIAN REDFISH	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL * OTHER	TOTAL ALL
342	0	54	0	0	0	7	1	16	0	0	0	0	0	0	0	0	0	0	0	0	3	15	0	0	6	102
343	34	41	1	0	0	13	3	15	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	13	124
344	76	69	0	0	0	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	9	165
345	7	60	0	0	0	11	1	6	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	12	101
346	0	118	0	0	0	36	14	1	0	0	0	0	0	0	0	0	0	0	0	0	57	0	0	0	76	302
TOTAL	34720	2933	1818	6846	859	785	1205	993	919	1350	1599	179	375	2694	1205	12629	59	2987	3261	1154	5408	325	1611	4664	28018	118596

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

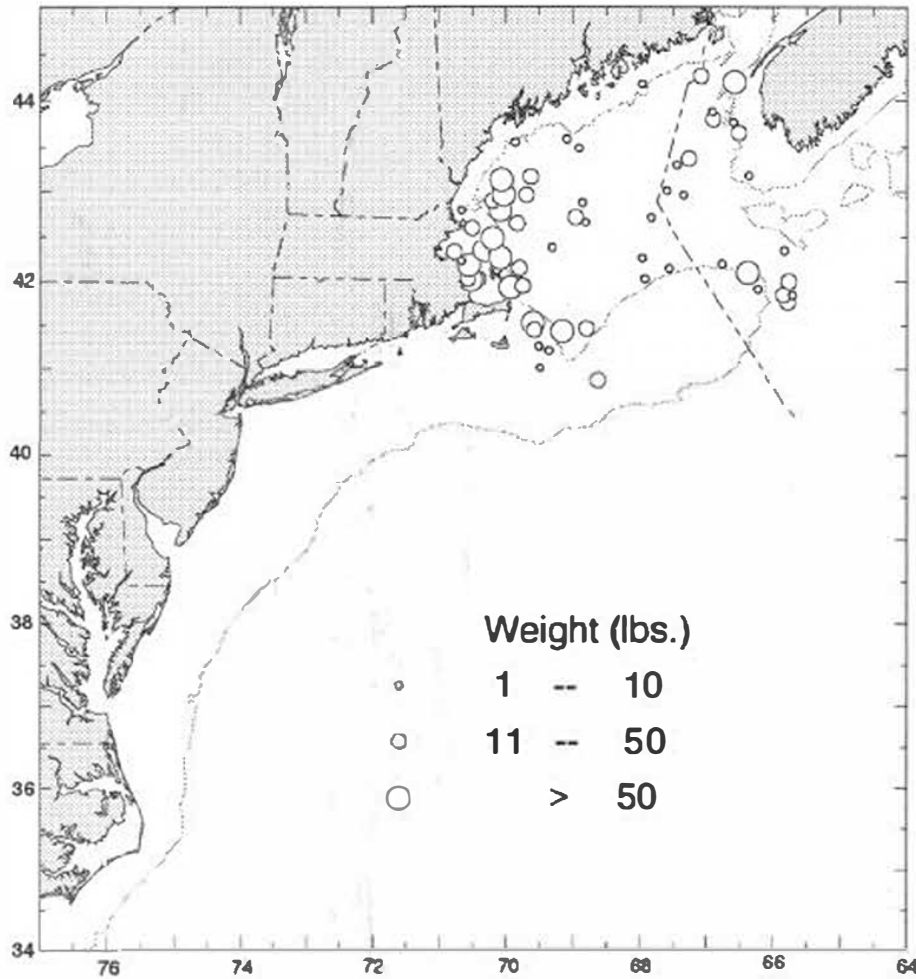
SPINY DOGFISH
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



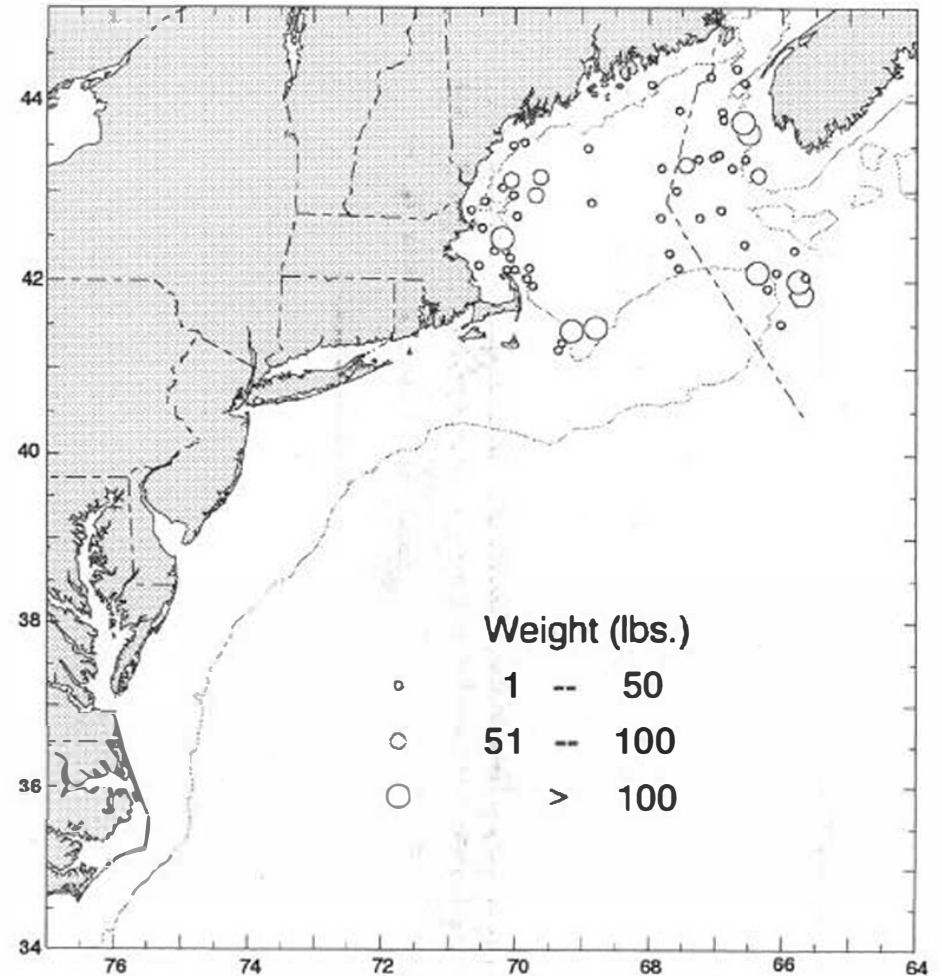
SILVER HAKE
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



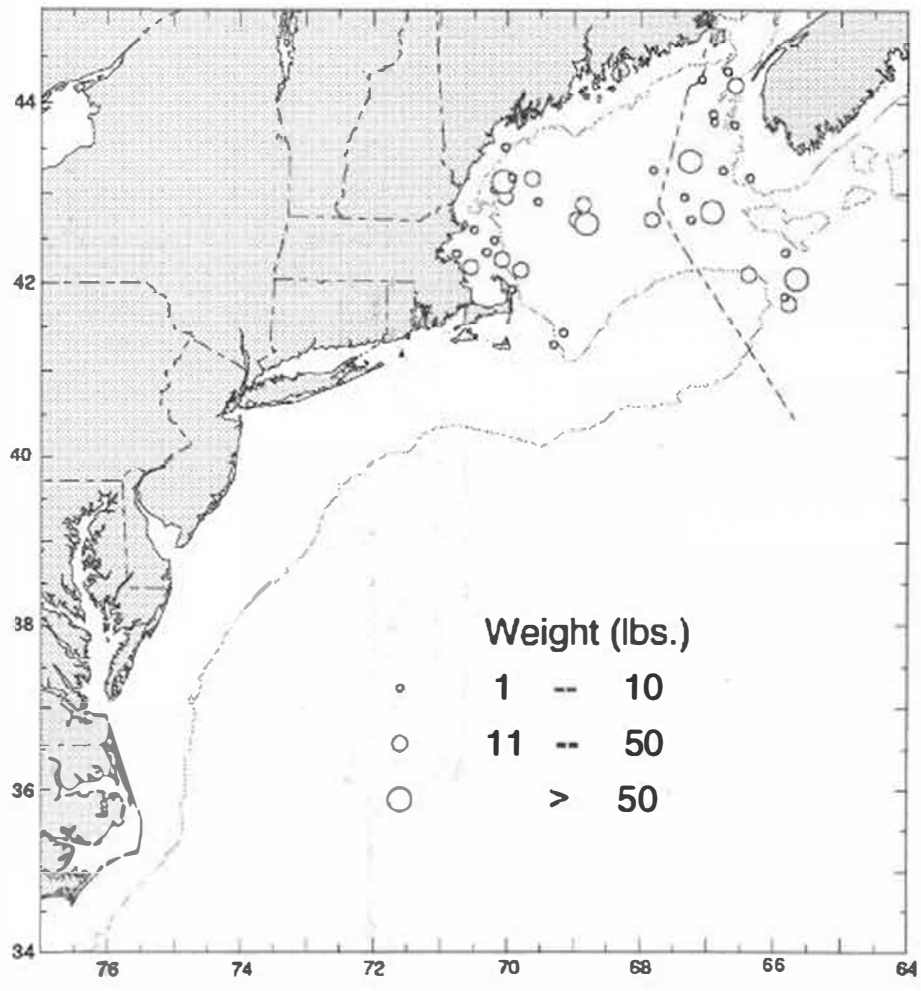
ATLANTIC COD
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



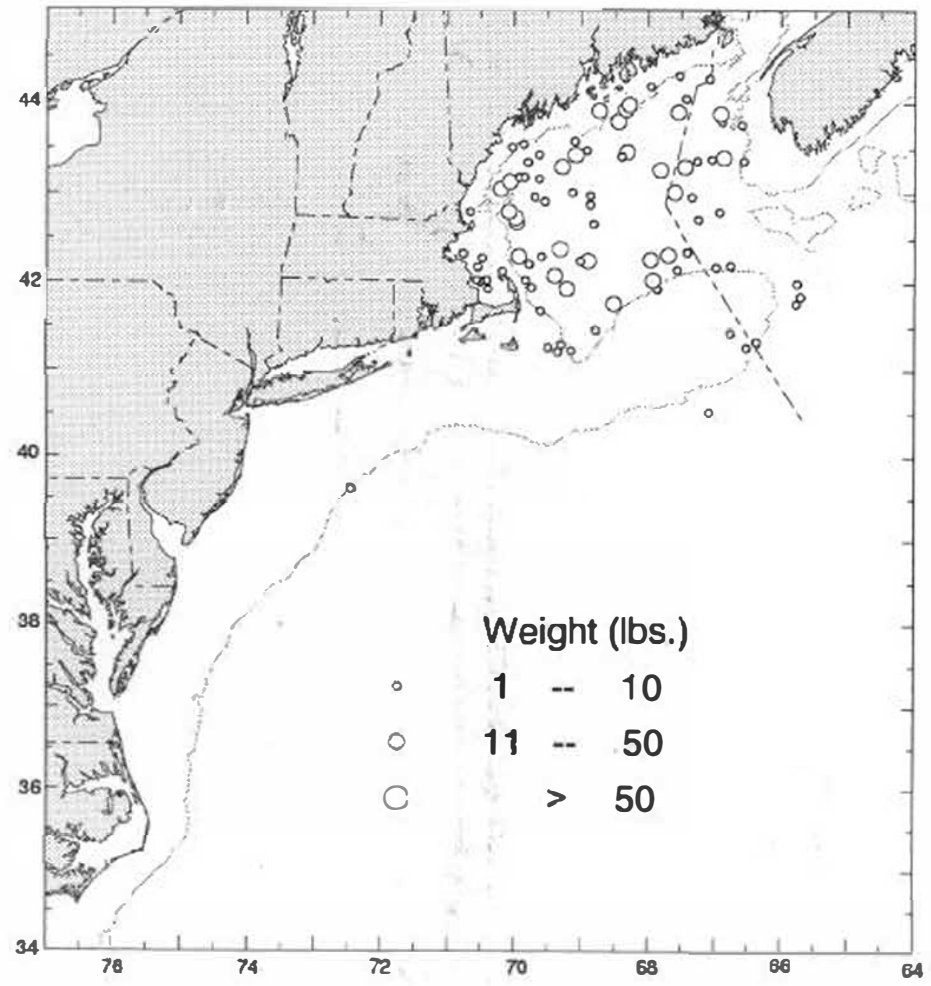
HADDOCK
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



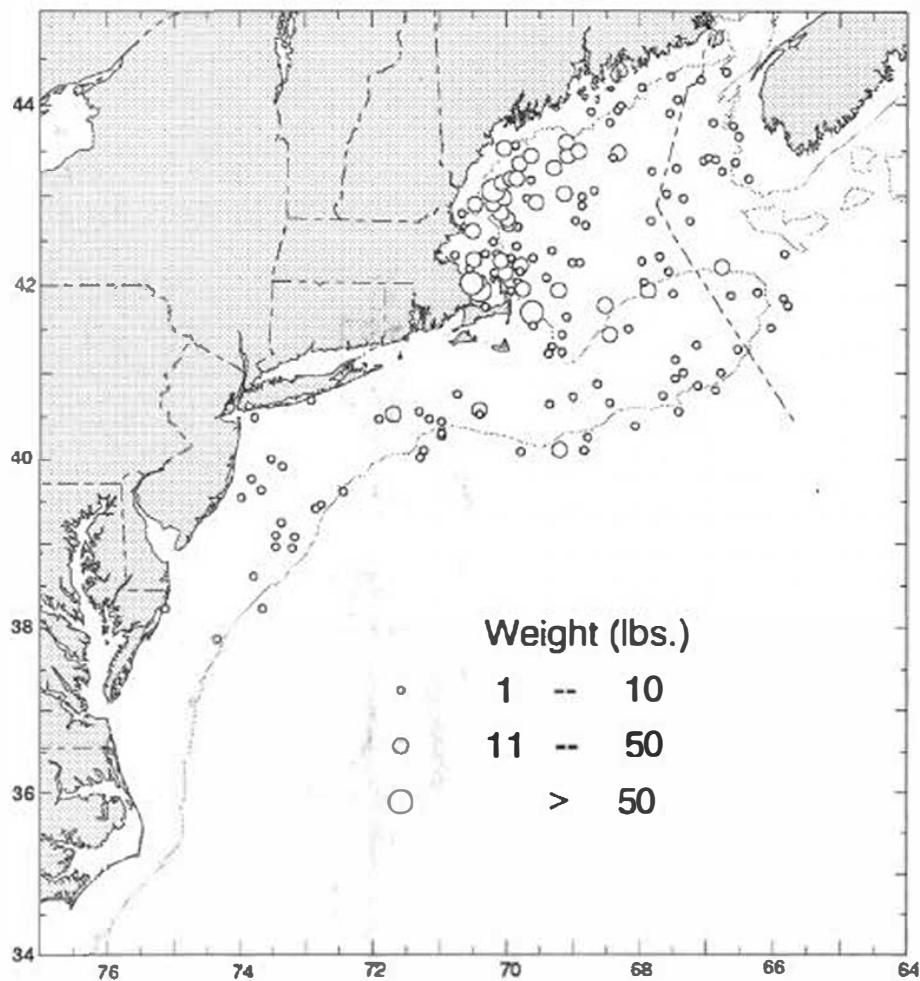
POLLOCK
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



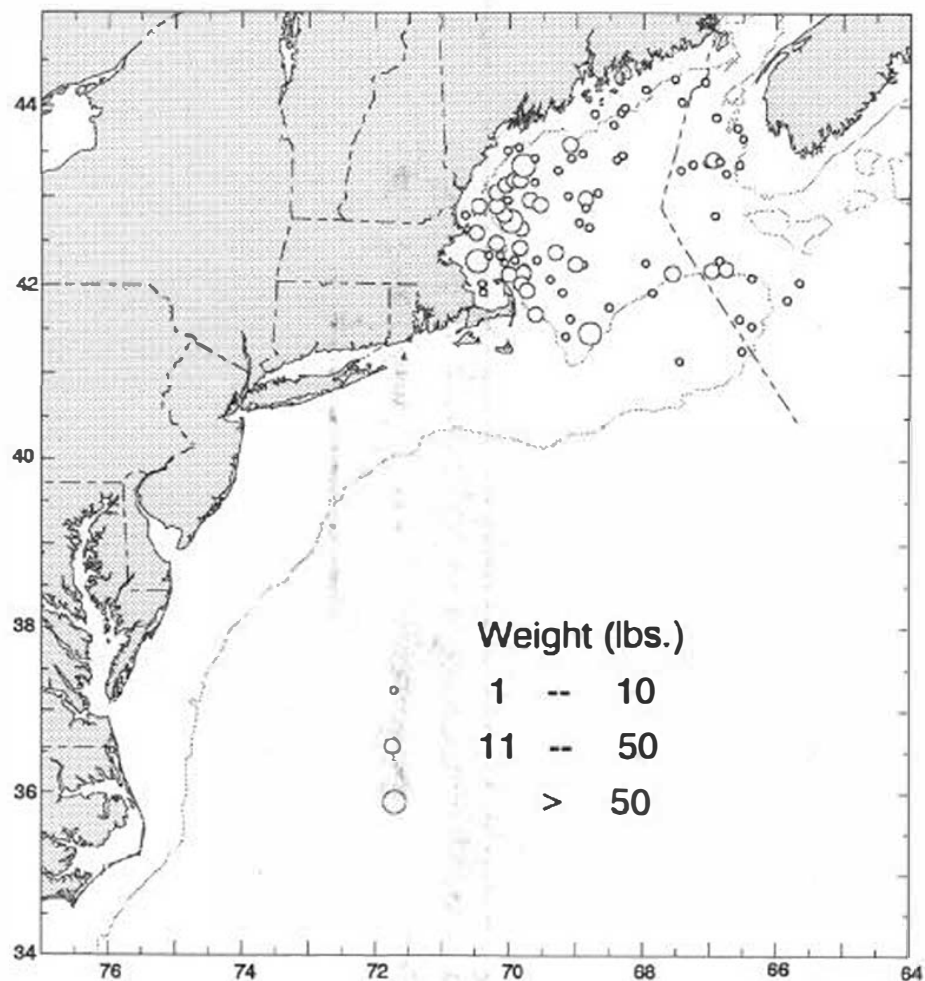
WHITE HAKE
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



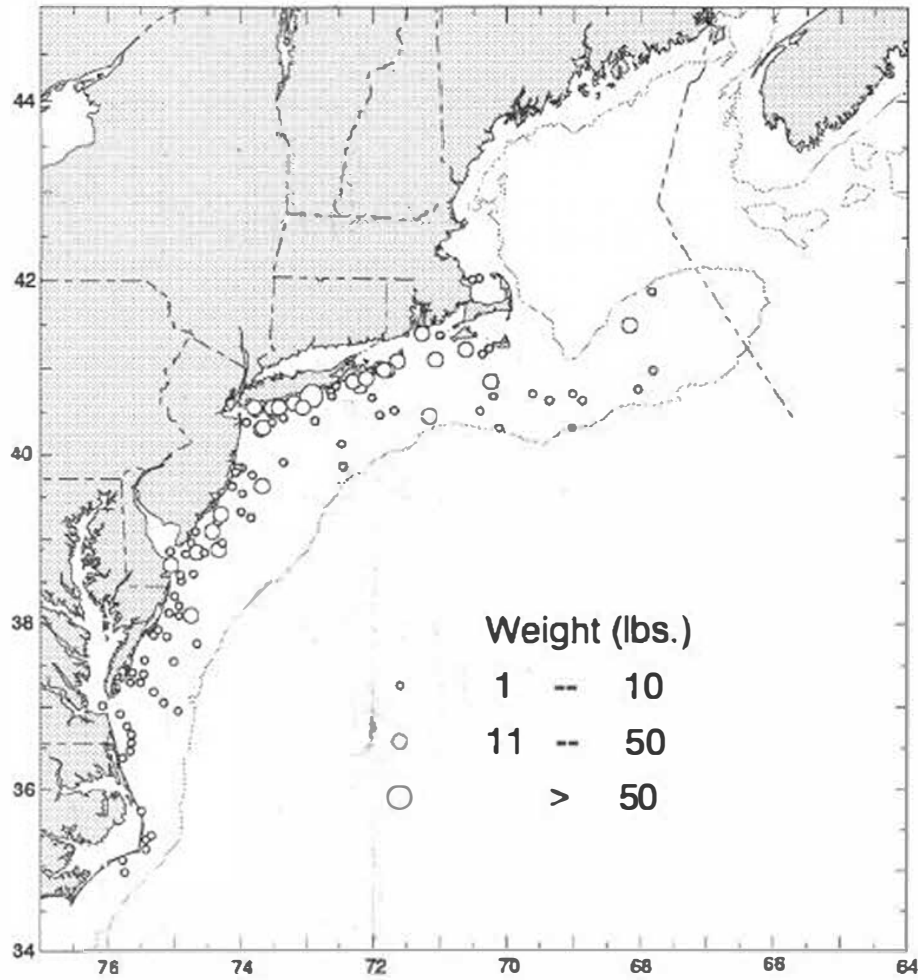
RED HAKE
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



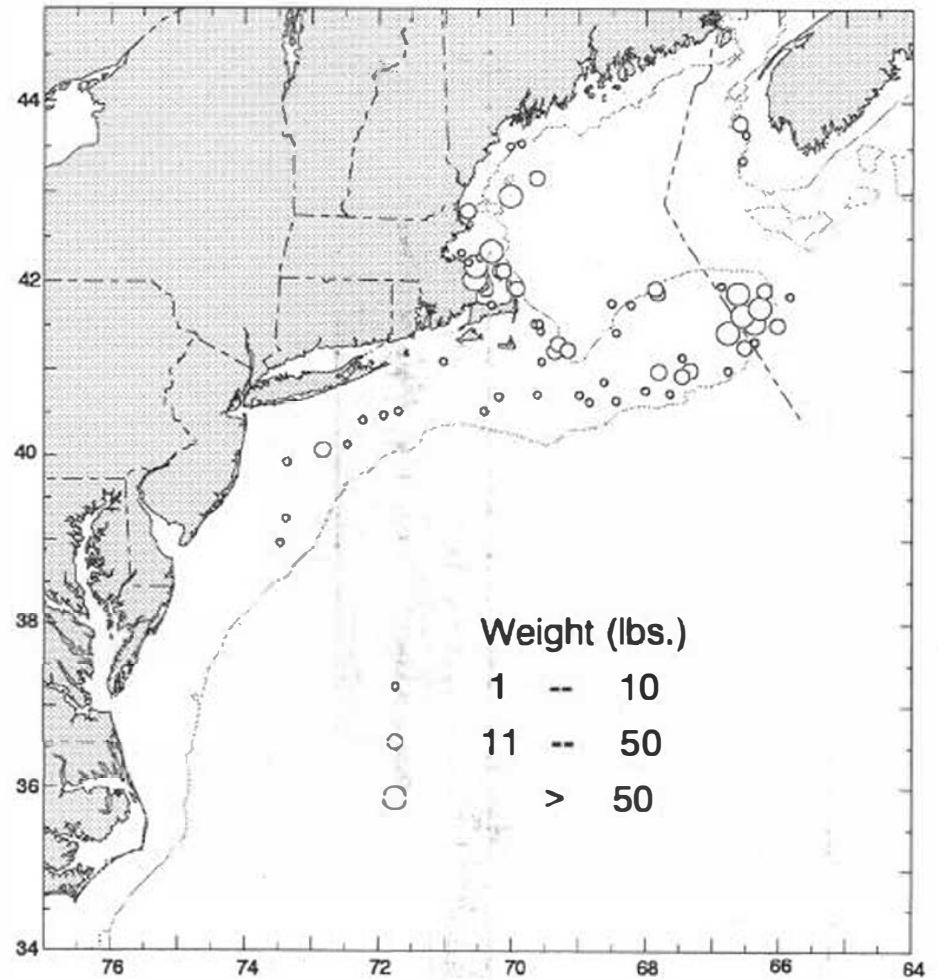
AMERICAN PLAICE
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



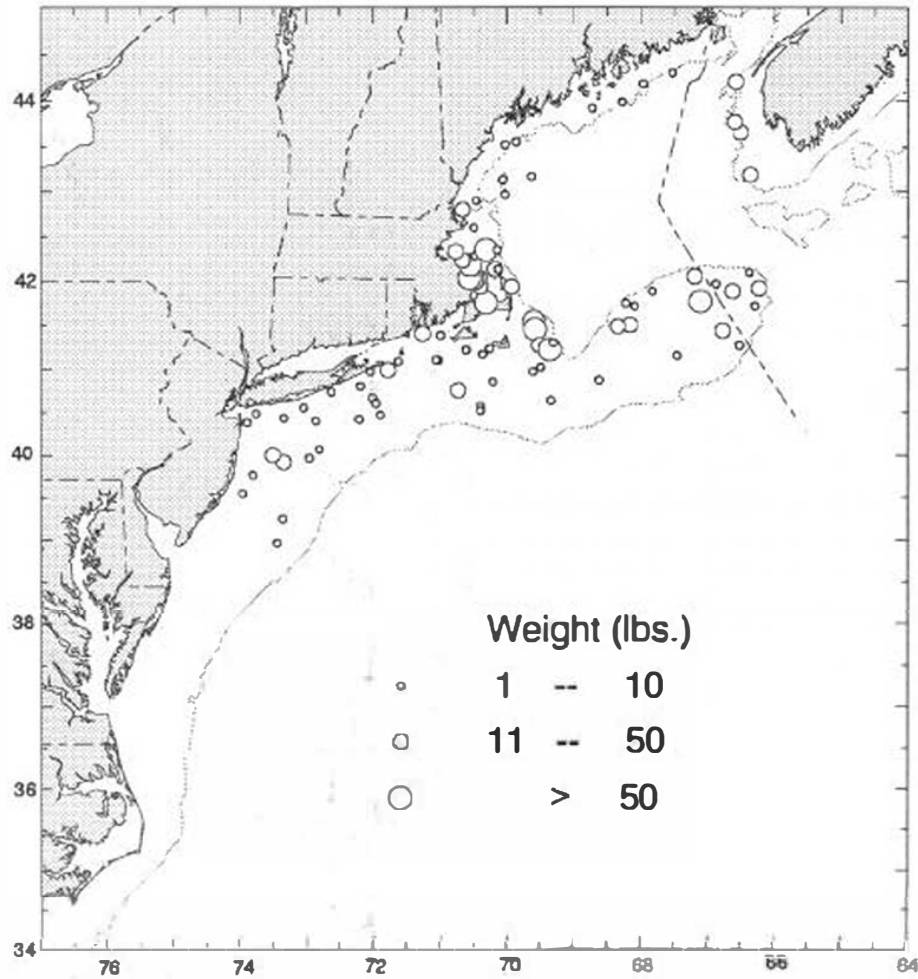
SUMMER FLOUNDER
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



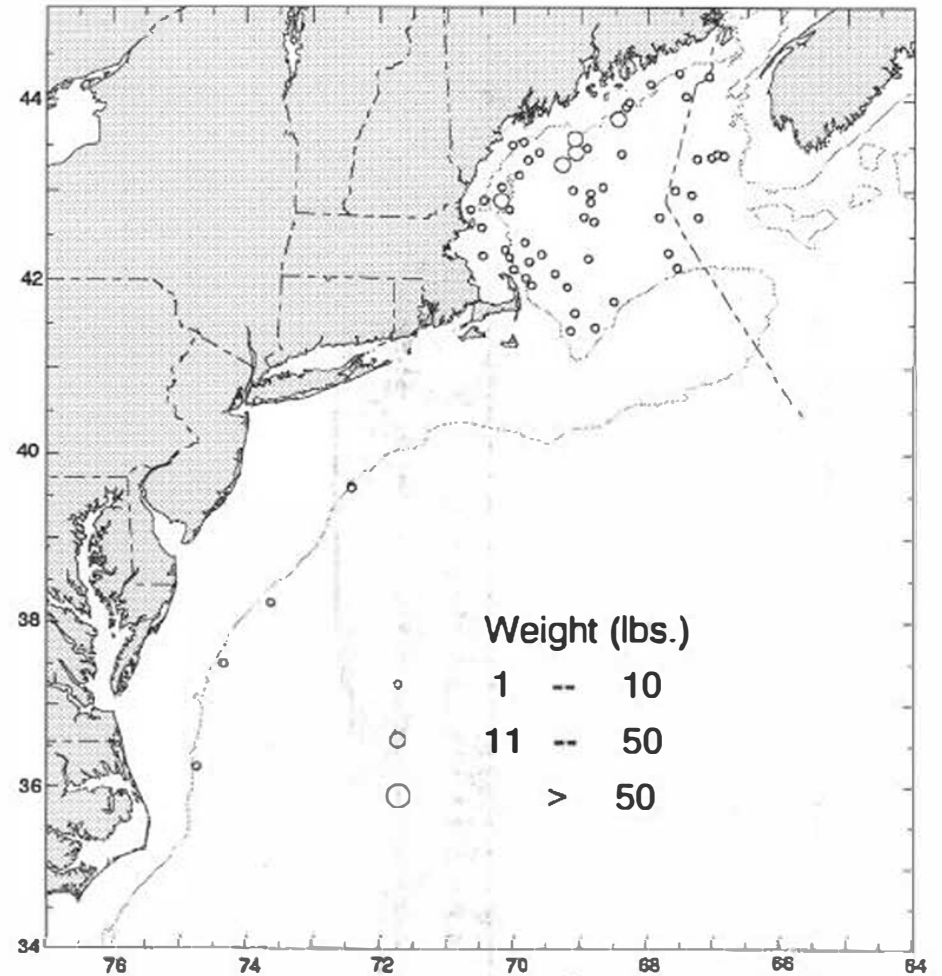
YELLOWTAIL FLOUNDER
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



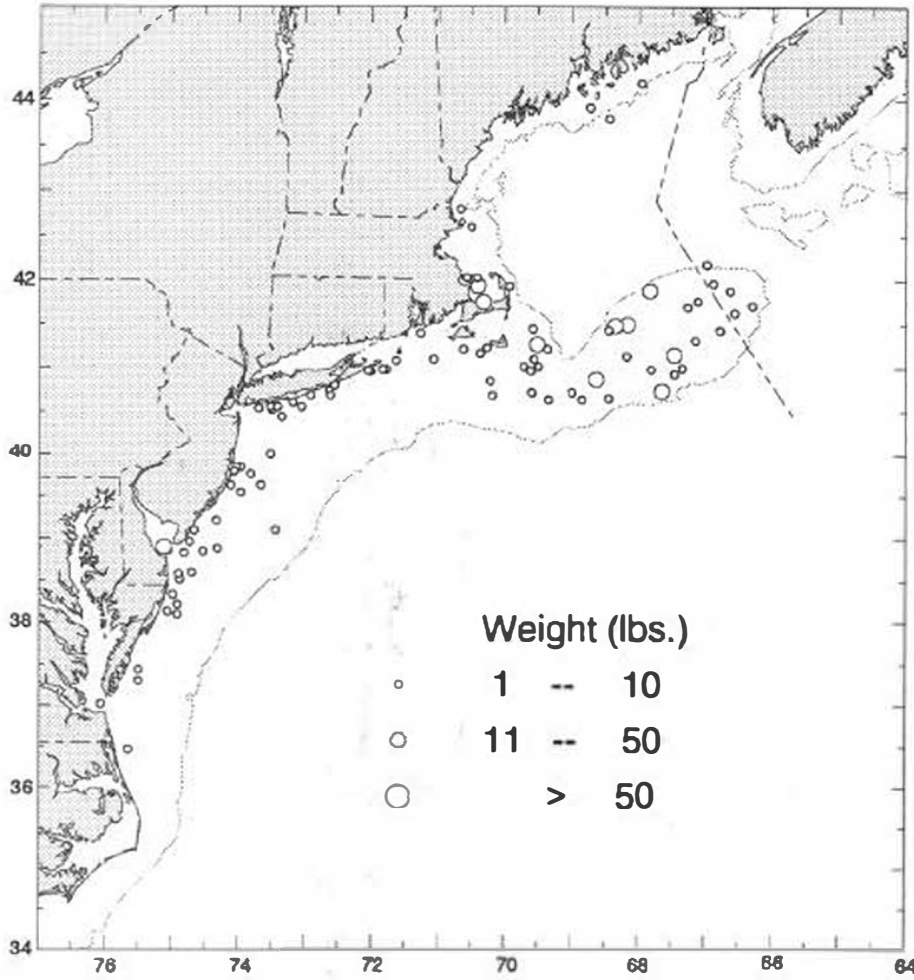
WINTER FLOUNDER
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



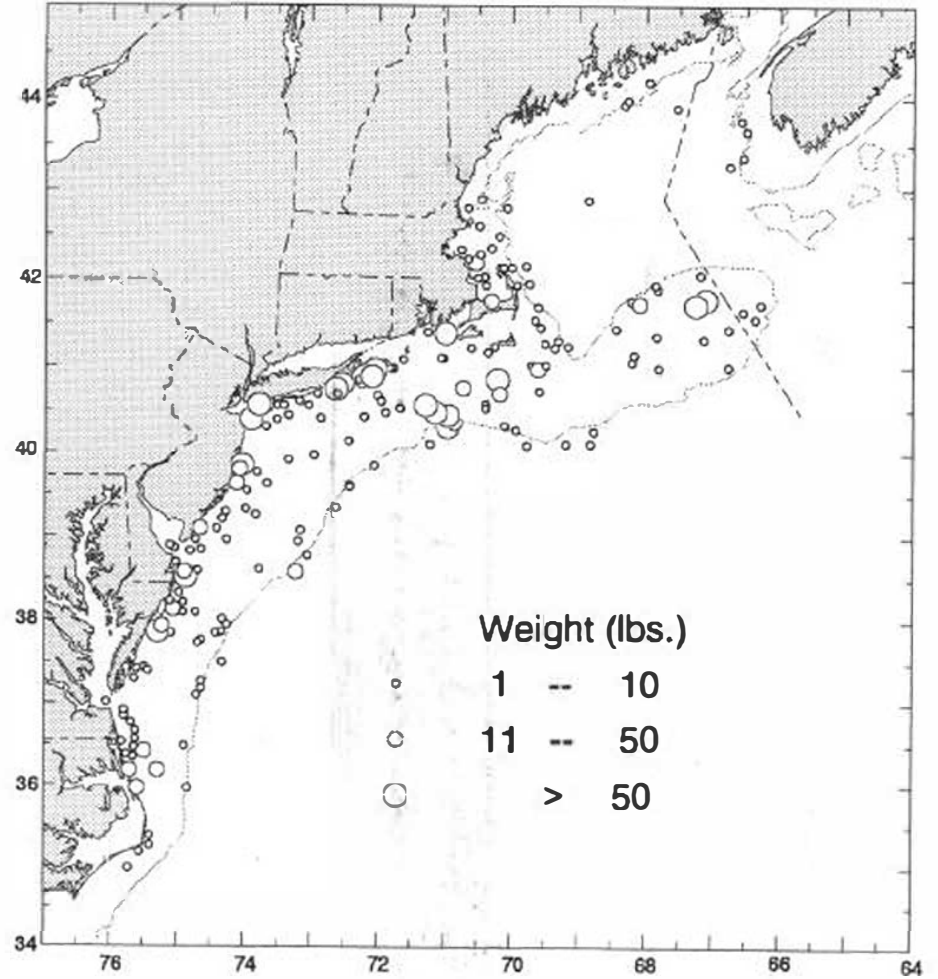
WITCH FLOUNDER
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



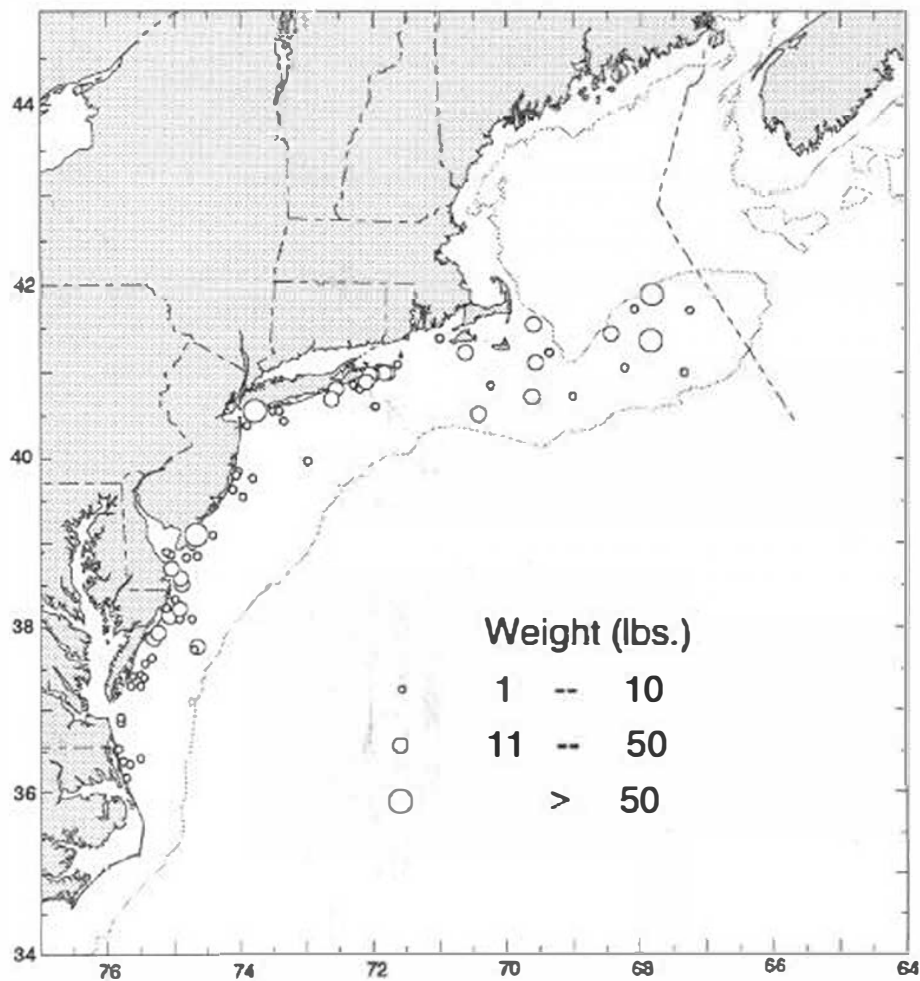
WINDOWPANE FLOUNDER
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



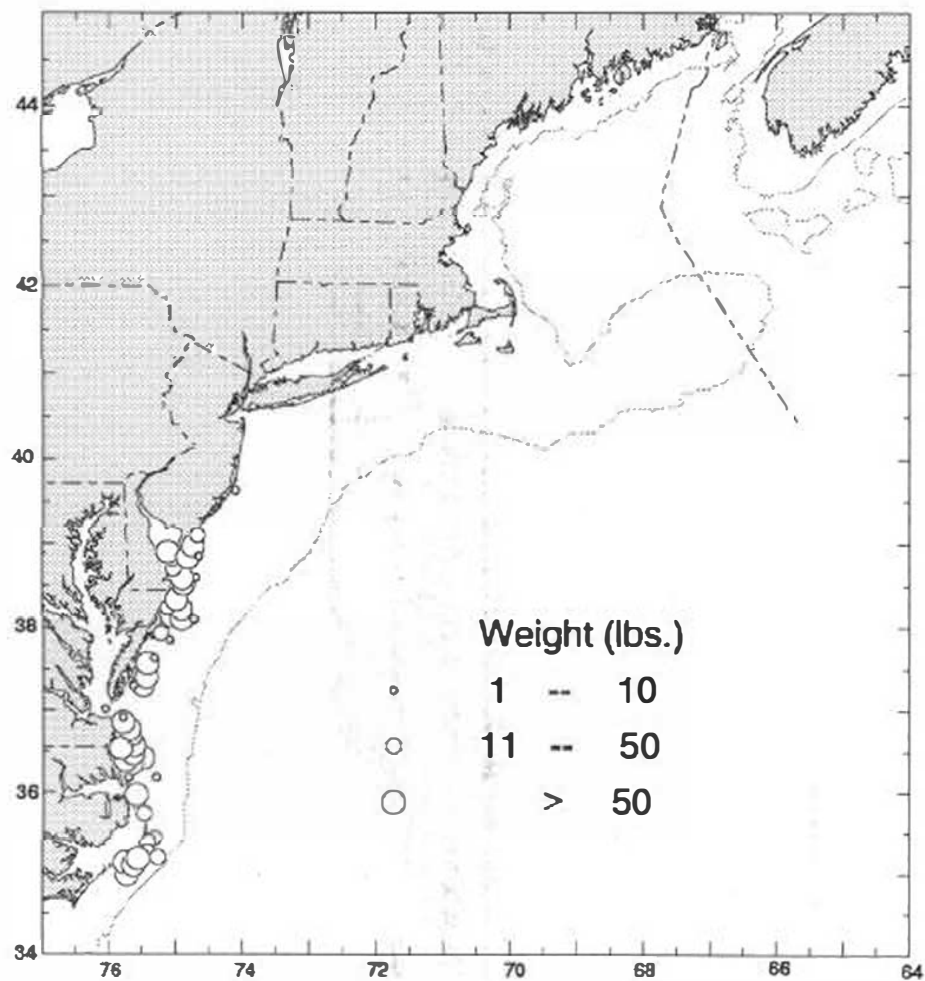
BUTTERFISH
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



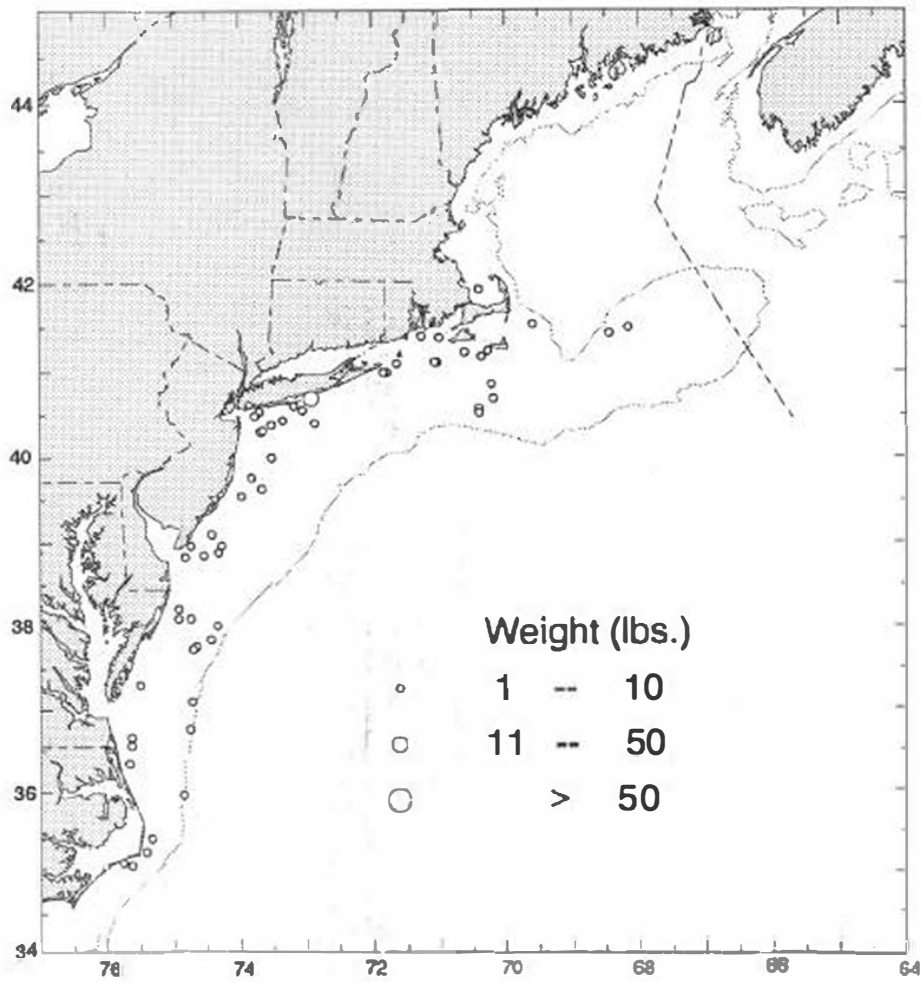
BLUEFISH
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



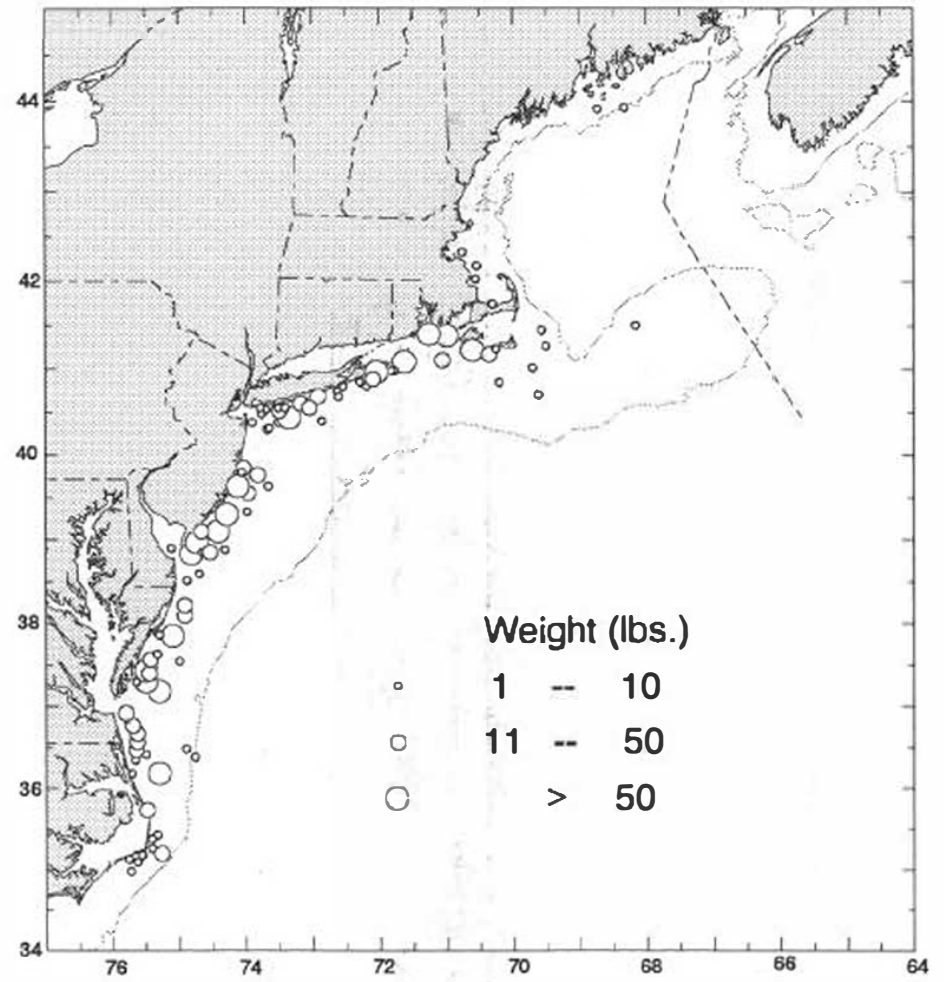
ATLANTIC CROAKER
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



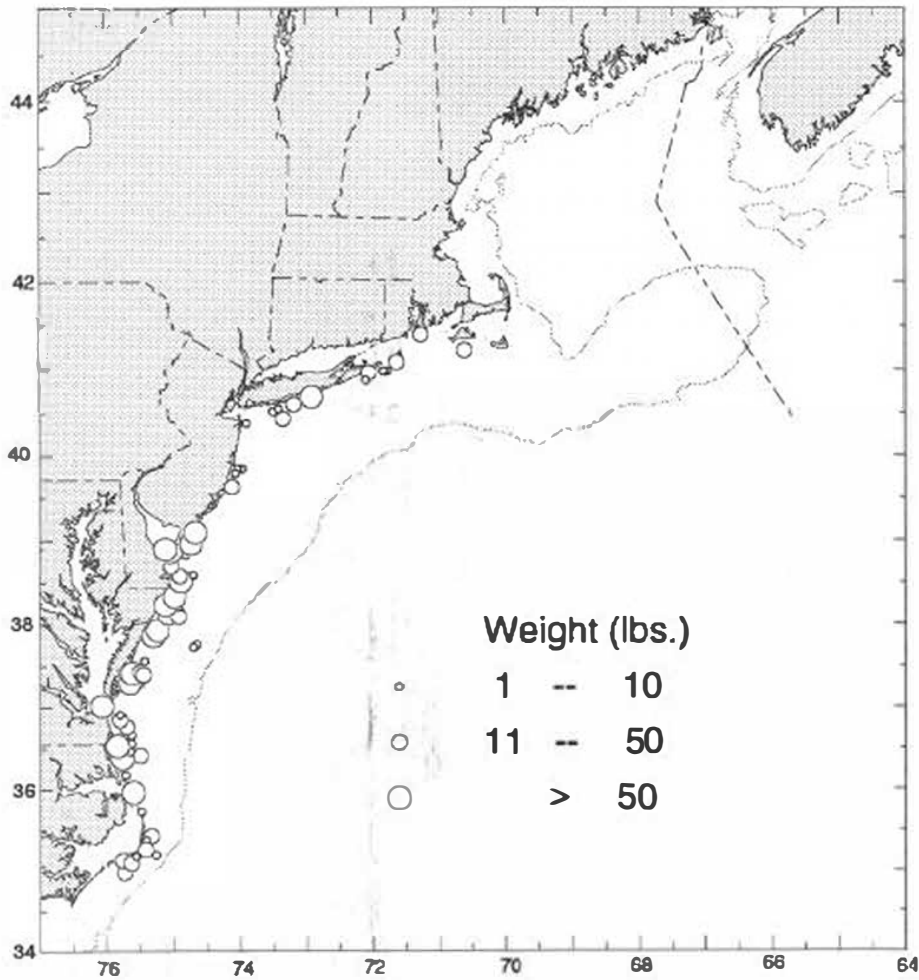
BLACK SEA BASS
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



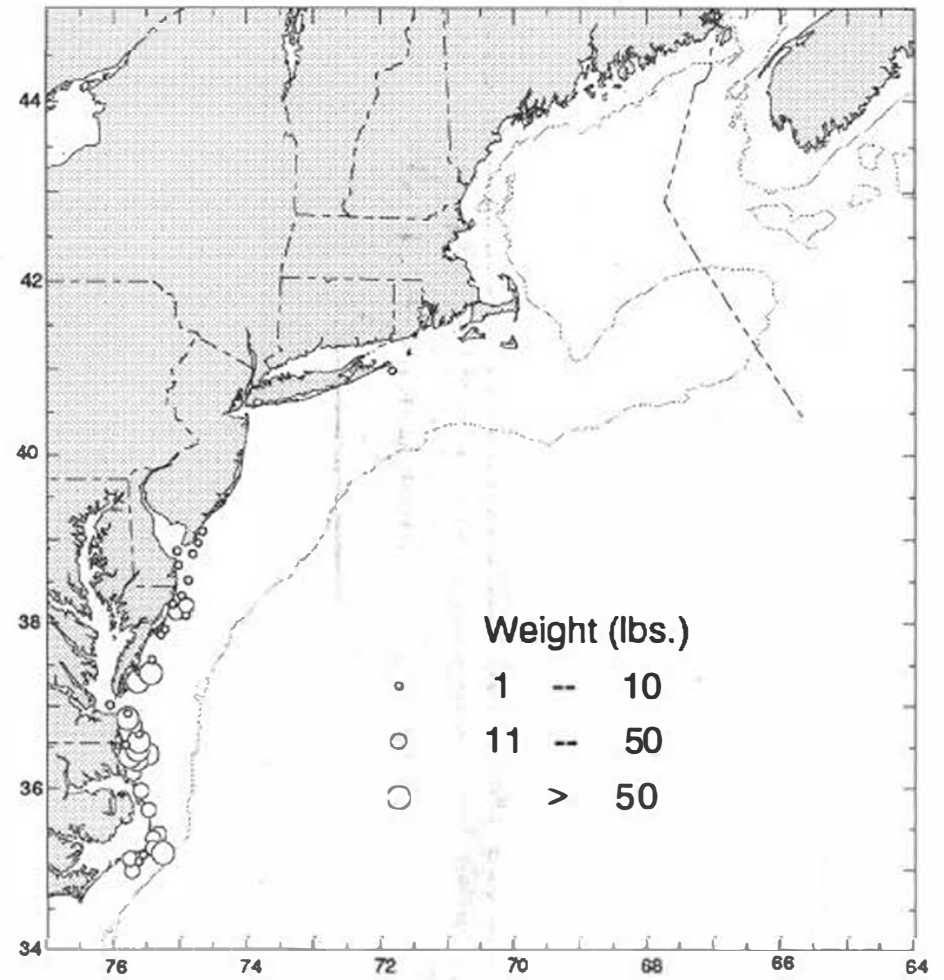
SCUP
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



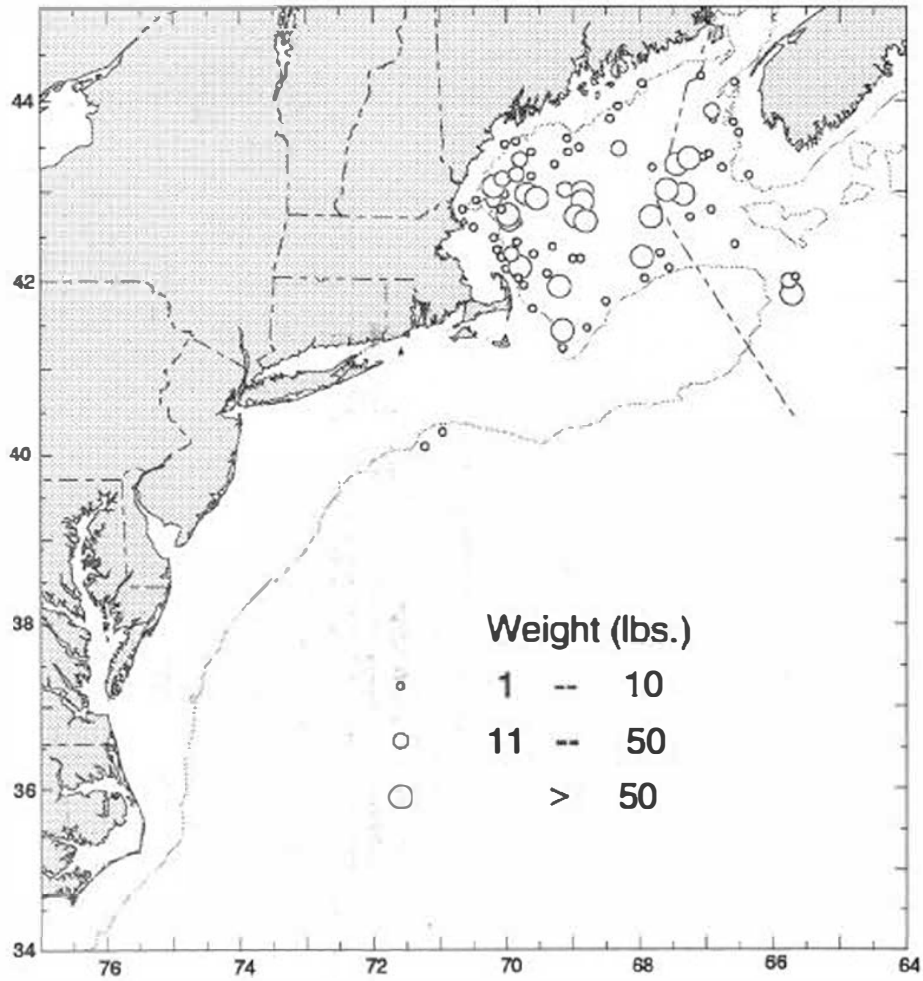
WEAKFISH
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



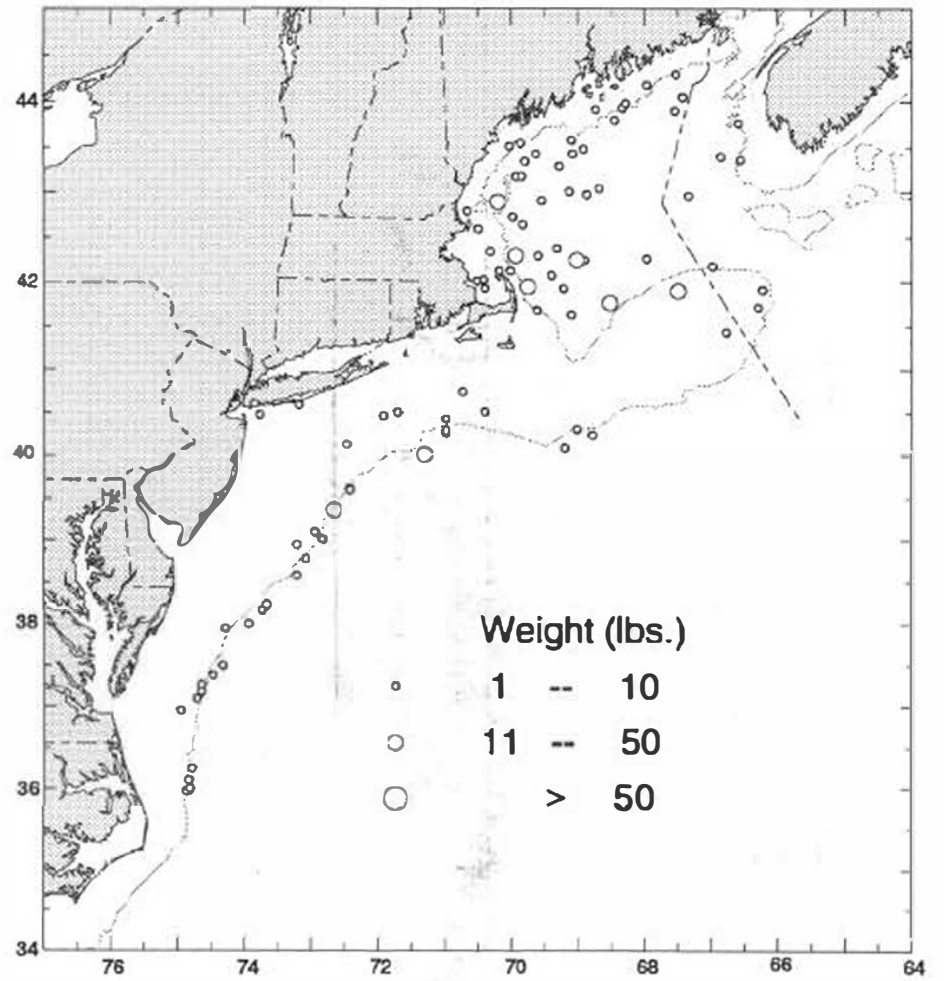
SPOT
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



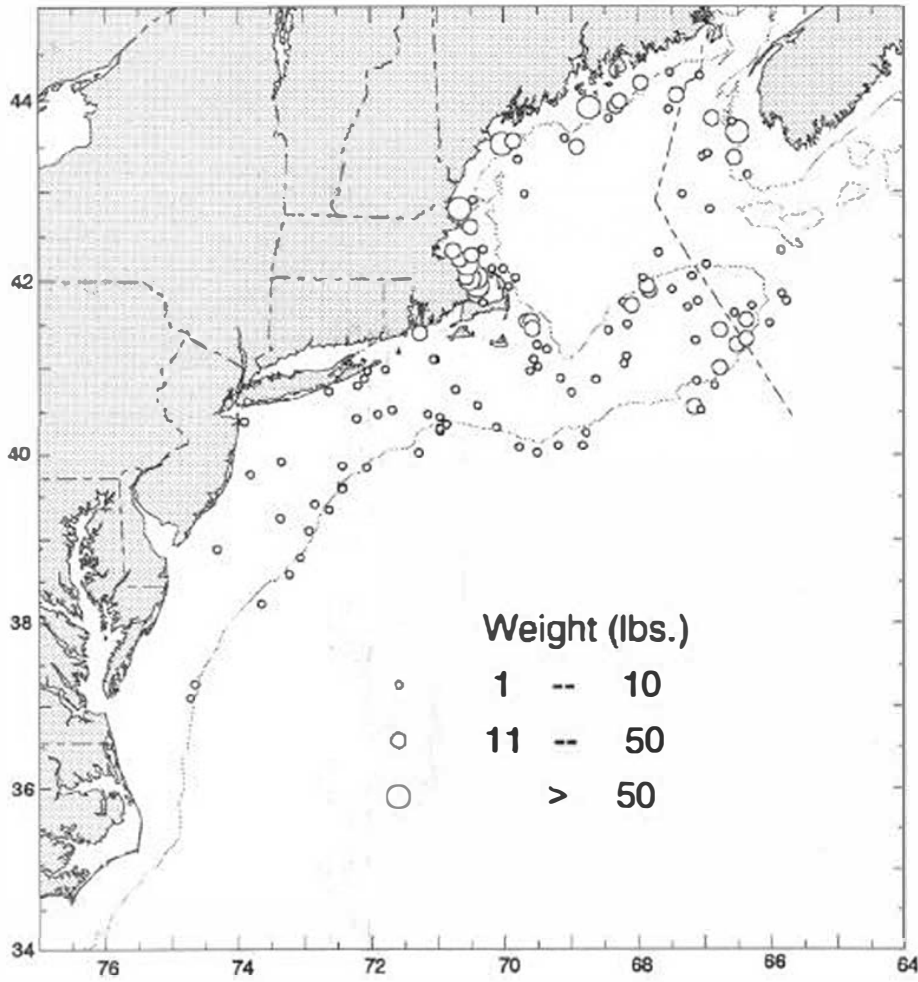
ACADIAN REDFISH
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



GOOSEFISH
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



AMERICAN LOBSTER
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999



LONGFIN SQUID
NEFSC Bottom Trawl Survey
SEP. 20 - NOV. 10, 1999

