

RESOURCE SURVEY REPORT
Catch Summary
NOAA Fisheries Service
Northeast Fisheries Science Center
Spring Bottom Trawl Survey
Cape Hatteras - Gulf of Maine
March 6 – May 3, 2008

Submitted to: NOAA, NEFSC

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Date: 2008

Resource Survey Report

Bottom Trawl Survey

Cape Hatteras – Gulf of Maine

March 6 – May 3, 2008

NOAA FRV *Albatross IV*



NOAA Fisheries Service

Northeast Fisheries Science Center

Woods Hole, MA 02543



A large catch of lobsters from Georges Bank.



The Northeast Fisheries Science Center's three research vessels together on Georges Bank. From left: NOAA FRV *Delaware II*, NOAA FRV *Albatross IV*, NOAA FSV *Henry B. Bigelow*.



NOAA FSV *Henry B. Bigelow* paired with the NOAA FRV *Albatross IV* to complete calibration tows during the Spring Bottom Trawl Survey.



A mix of commonly caught species and habitat from a tow in the Great South Channel.

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Attached are field notes, station and catch summaries and a series of geographical plots of commercially and recreationally important species caught during the Northeast Fisheries Science Center's 2008 spring bottom trawl survey aboard the NOAA 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).

For further information contact Russell Brown (508-495-2380) or Linda Despres (508-495-2346), NOAA Fisheries Service, Northeast Fisheries Science Center, 166 Water Street, Woods Hole, MA 02543. To view this report in PDF go the Ecosystems Surveys Branch website at: <http://www.nefsc.noaa.gov/esb> and choose:

- Resource Survey Reports
 - Available RSR
 - Select season and year of interest

Field Notes

In an effort to share some of the natural history observations made during the 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 NOAA FRV *Albatross IV*.

Sea Snails

The multiple captures of peculiar, diminutive fishes known as sea snails was very interesting this year on the first leg of the survey. The fish were captured off the New York Bight and were unusual in the sense that they are normally seen in the presence of sea scallops; in fact they are usually living inside the shell in what is considered a commensal relationship. These specimens were roughly twice the size of what we normally encounter, and were not captured in association with large numbers of scallops, giving us the initial impression that they were free living. Sea snails resemble tadpoles and one of their more interesting adaptations is the presence of a sucker disc on the underside of the body. Some other species of fish have evolved ventral sucker discs such as gobies and lumpfish, and it is presumed they are used to hang on to bottom substrate in the event of current or turbulent water. Like a tadpole, these fish have naked skin instead of scales, making them resemble amphibians even more. It will be interesting to see if these larger specimens show up again next year.

Sturgeon Concentrations

Juvenile and adult Atlantic sturgeon migrate south to over-winter off the coast of Virginia and North Carolina. We occasionally capture 1-2 individuals in a tow, but this year, we encountered four individuals in a single tow south of Cape Hatteras. These fish are quickly measured, weighed, scanned for tags, tagged, sampled for genetics and returned to the water alive. To ensure the welfare of the sturgeon, up to four scientists work simultaneously on each fish.

Supersized Redfish

In the slope waters off from the Northeast Peak of Georges, we pulled up the largest redfish that had been seen in quite some time...a 19 inch redfish came aboard in spawning condition. Even though the survey has caught fish up to 20 inches, the last one that size was caught in 1982.

Interesting Stomach Contents

While on Nantucket Shoals, Atlantic cod, Atlantic sea herring, long horn sculpin, Atlantic mackerel and windowpane flounder stomachs were filled with small and medium sized whole sand lance. Small cod were also mixed in with the sand lance in windowpane flounder stomachs. In Massachusetts Bay, we saw medium sized whole ocean pout in several sea raven stomachs all inhaled in one bite.

Lost Atlantic Sturgeon

According to Bigelow and Schroeder's, *Fishes of the Gulf of Maine*, Atlantic sturgeon "historically entered practically every stream of any size emptying into the Gulf of Maine and Massachusetts as well as at Provincetown and at Nantucket." In the 45 year history of the bottom trawl surveys, we picked up our first Atlantic sturgeon in the Nantucket Shoals area that came in at 35 pounds and 52 inches. We have never caught one along the Maine coast but did pick up two individuals in 1991 and 1998 in the Massachusetts Bay area (26 and 15 pounds respectively).

Searching for Stations

NOAA FSV *Henry B. Bigelow* paired with NOAA FRV *Albatross IV* on some difficult bottom stations in the northern and eastern areas of the Gulf of Maine. Both vessels scouted long hours off Penobscot Bay to find towable bottom clear of gear. The long search paid off when the *Bigelow* was able to pair side by side successfully on tows with the *Albatross* in this area. In Canadian waters, at stations on German Bank notorious for gear damage, the *Bigelow* scanned the area with their ME-70 multibeam sensor as the *Albatross* towed past. Seeing this new technology in action was exciting for all onboard.

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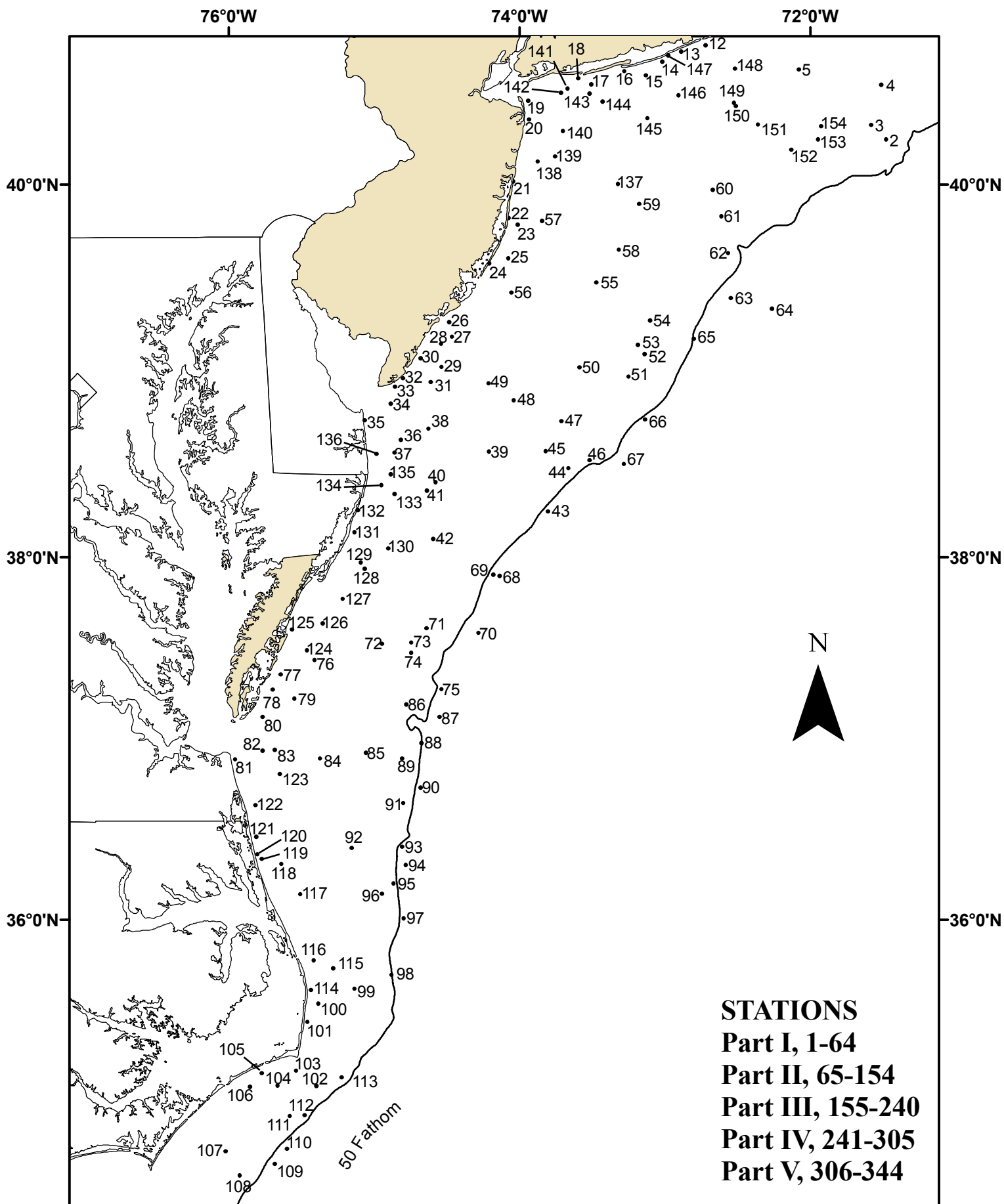


Figure 1. Trawl hauls made from NOAA FRV Albatross IV (08-01), during NOAA Fisheries Service, Northeast Fisheries Science Center spring bottom trawl survey, March 6 - May 3, 2008.

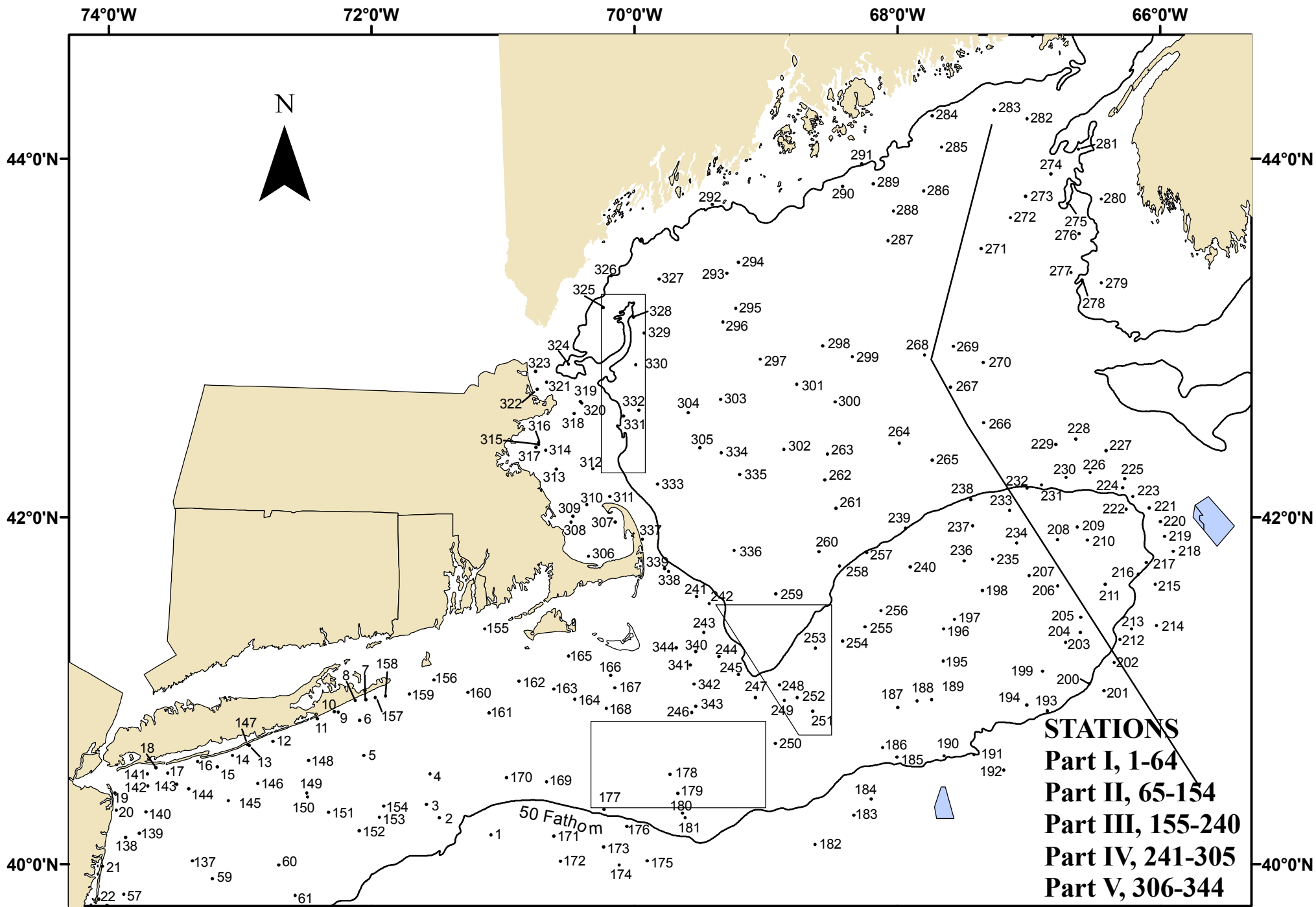


Figure 2. Trawl hauls made from NOAA FRV Albatross IV (08-01), during NOAA Fisheries Service, Northeast Fisheries Science Center spring bottom trawl survey, March 6 - May 3, 2008.

NOAA Fisheries Service NEFSC SPRING BOTTOM TRAWL SURVEY
2008 STATION INFORMATION

| Station | Date | Time | Lat | Lon | Loran TD's | | Course | Bottom Depth (FM) | Temp (F) |
|---------|--------|------|--------|--------|------------|----------|--------|-------------------|----------|
| ---- | ----- | ---- | ----- | ----- | ----- | ----- | --- | ----- | ---- |
| 1 | 7-Mar | 311 | 4008.6 | 7104 | X25615.7 | Y43385.6 | 315 | 77.4 | 12.3 |
| 2 | 7-Mar | 607 | 4014.3 | 7128.5 | X25784.1 | Y43448.6 | 345 | 47.3 | 10.35 |
| 3 | 7-Mar | 746 | 4018.9 | 7134.8 | X25829.2 | Y43490.7 | 347 | 45.1 | 10.03 |
| 4 | 7-Mar | 951 | 4031.6 | 7130.6 | X25792.2 | Y43587.6 | 255 | 39.6 | 8.16 |
| 5 | 7-Mar | 1319 | 4036.4 | 7204.7 | X26073.9 | Y43662.5 | 9 | 28.4 | 6.76 |
| 6 | 7-Mar | 1520 | 4048.3 | 7205.3 | X26092.1 | Y43760.0 | 329 | 22.1 | 5.57 |
| 7 | 7-Mar | 1705 | 4056.2 | 7204.5 | X26096.5 | Y43822.2 | 46 | 12.8 | 4.34 |
| 8 | 7-Mar | 1843 | 4056.1 | 7209.4 | X26138.9 | Y43827.9 | 58 | 8.7 | 4.72 |
| 9 | 7-Mar | 2012 | 4053.7 | 7212.6 | X26163.0 | Y43813.6 | 258 | 12.6 | 4.47 |
| 10 | 7-Mar | 2135 | 4053.8 | 7214.4 | X26179.2 | Y43816.6 | 246 | 10.1 | 4.57 |
| 11 | 7-Mar | 2256 | 4051.4 | 7222.3 | X26243.2 | Y43808.4 | 260 | 8.2 | 4.83 |
| 12 | 8-Mar | 252 | 4044 | 7243.2 | X26407.7 | Y43774.0 | 242 | 13.7 | 5.12 |
| 13 | 8-Mar | 427 | 4042.1 | 7253.3 | X26488.5 | Y43770.0 | 259 | 10.4 | 5.12 |
| 14 | 8-Mar | 554 | 4038.8 | 7301 | X26546.2 | Y43750.6 | 205 | 9 | 4.91 |
| 15 | 8-Mar | 716 | 4034.5 | 7307.8 | X26593.6 | Y43719.6 | 224 | 13.7 | 5.11 |
| 16 | 8-Mar | 906 | 4035.9 | 7316.7 | X26669.1 | Y43743.1 | 267 | 9.3 | 5.71 |
| 17 | 8-Mar | 1053 | 4031.7 | 7330.4 | X26769.5 | Y43719.9 | 277 | 9.8 | 5.5 |
| 18 | 8-Mar | 1432 | 4033.6 | 7335.7 | X26817.1 | Y43744.1 | 5.2 | 4.9 | 6.04 |
| 19 | 9-Mar | 343 | 4026.6 | 7356.4 | X26961.2 | Y43697.6 | 199 | 6.6 | 6.16 |
| 20 | 9-Mar | 528 | 4020.6 | 7356.1 | X26942.6 | Y43637.1 | 175 | 7.9 | 5.95 |
| 21 | 9-Mar | 814 | 4001 | 7402.4 | X26938.2 | Y43442.0 | 171 | 9.3 | 5.33 |
| 22 | 9-Mar | 1014 | 3949.5 | 7404.4 | X26924.1 | Y43322.9 | 160 | 6 | 5.43 |
| 23 | 9-Mar | 1136 | 3947.3 | 7400.8 | X26893.7 | Y43298.7 | 185 | 10.1 | 5.03 |
| 24 | 9-Mar | 1333 | 3936.5 | 7404.5 | X26895.4 | Y43187.0 | 265 | 7.9 | 5.18 |
| 25 | 9-Mar | 1453 | 3934.9 | 7412.3 | X26944.6 | Y43171.3 | 22 | 7.1 | 6.37 |
| 26 | 9-Mar | 1828 | 3916.1 | 7428.9 | X27008.2 | Y42967.5 | 190 | 8.2 | 5.73 |
| 27 | 9-Mar | 1957 | 3911.4 | 7427.8 | X26990.5 | Y42916.3 | 258 | 10.4 | 5.78 |
| 28 | 9-Mar | 2113 | 3909.1 | 7432.4 | X27013.4 | Y42889.6 | 168 | 8.2 | 6.09 |
| 29 | 9-Mar | 2239 | 3901.6 | 7432.2 | X26995.7 | Y42808.3 | 213 | 7.9 | 5.9 |
| 30 | 10-Mar | 29 | 3904.4 | 7440.9 | X27054.1 | Y42835.8 | 221 | 7.4 | 6.17 |
| 31 | 10-Mar | 212 | 3856.8 | 7436.6 | X27011.7 | Y42753.0 | 235 | 6.6 | 6.24 |
| 32 | 10-Mar | 356 | 3857.9 | 7448 | X27081.0 | Y42760.3 | 215 | 6 | 6.09 |
| 33 | 10-Mar | 510 | 3855.3 | 7451.4 | X27094.5 | Y42729.0 | 245 | 6.3 | 6.09 |
| 34 | 10-Mar | 728 | 3849.9 | 7453 | X27090.9 | Y42667.1 | 264 | 6.8 | 6.21 |
| 35 | 10-Mar | 938 | 3844.4 | 7503.9 | X27138.7 | Y42597.8 | 172 | 6 | 6.36 |
| 36 | 10-Mar | 1219 | 3838.2 | 7448.9 | X27041.8 | Y42539.5 | 13.7 | 13.7 | 7.01 |
| 37 | 10-Mar | 1407 | 3834 | 7451.6 | X27047.7 | Y42490.0 | 146 | 12.8 | 6.96 |
| 38 | 10-Mar | 1625 | 3841.7 | 7437.5 | X26985.1 | Y42585.8 | 109 | 16.7 | 6.78 |
| 39 | 10-Mar | 1924 | 3834.3 | 7412.6 | X26830.0 | Y42523.5 | 200 | 24.3 | 9.93 |
| 40 | 10-Mar | 2215 | 3824.4 | 7434.6 | X26936.1 | Y42397.5 | 233 | 16.7 | 7.71 |
| 41 | 10-Mar | 2328 | 3821.6 | 7438.2 | X26951.0 | Y42364.4 | 158 | 20.2 | 7.85 |
| 42 | 11-Mar | 211 | 3805.9 | 7435.5 | X26910.0 | Y42195.3 | 92 | 19.4 | 8.54 |
| 43 | 11-Mar | 649 | 3814.9 | 7348.3 | X26668.5 | Y42339.4 | 186 | 61.5 | 11.89 |
| 44 | 11-Mar | 930 | 3828.9 | 7339.8 | X26635.1 | Y42490.5 | 315 | 37.7 | 11.52 |
| 45 | 11-Mar | 1114 | 3834.5 | 7349.1 | X26695.2 | Y42541.9 | 121 | 32 | 10.22 |
| 46 | 11-Mar | 1330 | 3831.5 | 7331 | X26586.9 | Y42523.3 | 309 | 41.8 | 11.71 |
| 47 | 11-Mar | 1550 | 3844.2 | 7342.7 | X26669.3 | Y42645.7 | 328 | 27.9 | 7.95 |
| 48 | 11-Mar | 1806 | 3851 | 7402.2 | X26795.8 | Y42706.5 | 284 | 23.8 | 7.98 |

NOAA Fisheries Service NEFSC SPRING BOTTOM TRAWL SURVEY
2008 STATION INFORMATION

| Station | Date | Time | Lat | Lon | Loran TD's | | Course | Bottom Depth (FM) | Temp (F) |
|---------|--------|------|--------|--------|------------|----------|--------|-------------------|----------|
| ---- | ----- | ---- | ----- | ----- | ----- | ----- | --- | ----- | ---- |
| 49 | 11-Mar | 1955 | 3856.3 | 7412.8 | X26868.2 | Y42758.7 | 83 | 19.7 | 7.47 |
| 50 | 11-Mar | 2321 | 3901.6 | 7335.2 | X26644.3 | Y42825.9 | 97 | 29.3 | 7.82 |
| 51 | 12-Mar | 204 | 3858.5 | 7314.9 | X26513.2 | Y42800.8 | 36 | 41.8 | 11.36 |
| 52 | 12-Mar | 348 | 3905.8 | 7308.2 | X26477.2 | Y42874.0 | 331 | 37.2 | 10.55 |
| 53 | 12-Mar | 505 | 3908.8 | 7311.1 | X26497.8 | Y42903.0 | 17 | 35.8 | 10.28 |
| 54 | 12-Mar | 648 | 3916.7 | 7306 | X26471.6 | Y42980.0 | 332 | 35.3 | 10.89 |
| 55 | 12-Mar | 931 | 3928.7 | 7328.2 | X26634.4 | Y43100.8 | 265 | 18.9 | 6.4 |
| 56 | 12-Mar | 1309 | 3925.5 | 7403.3 | X26864.1 | Y43070.6 | 356 | 12.3 | 5.51 |
| 57 | 12-Mar | 1626 | 3948.5 | 7350.7 | X26825.4 | Y43307.3 | 295 | 13.7 | 5.37 |
| 58 | 12-Mar | 2008 | 3939.2 | 7319 | X26585.0 | Y43202.7 | 12 | 21.3 | 5.94 |
| 59 | 12-Mar | 2306 | 3953.9 | 7310.5 | X26544.2 | Y43341.0 | 309 | 32.5 | 8.61 |
| 60 | 13-Mar | 335 | 3958.4 | 7240.3 | X26324.3 | Y43364.9 | 308 | 31.2 | 8.09 |
| 61 | 13-Mar | 533 | 3950 | 7236.7 | X26291.3 | Y43286.0 | 130 | 31.7 | 8.79 |
| 62 | 13-Mar | 739 | 3938.2 | 7233.8 | X26265.3 | Y43177.7 | 141 | 44.3 | 11.25 |
| 63 | 13-Mar | 1009 | 3923.9 | 7232.7 | X26253.2 | Y43045.3 | 218 | 68.4 | 12.05 |
| 64 | 13-Mar | 1245 | 3920.4 | 7215.7 | X26140.4 | Y43012.1 | 7 | 145.2 | 9.93 |
| 65 | 18-Mar | 2240 | 3910.8 | 7248 | X26349.7 | Y42923.7 | 212 | 50 | 10.38 |
| 66 | 19-Mar | 223 | 3844.8 | 7308.2 | X26462.6 | Y42667.9 | 195 | 65.6 | 10.39 |
| 67 | 19-Mar | 534 | 3830.3 | 7316.8 | X26504.1 | Y42520.9 | 47 | 156.1 | 11.64 |
| 68 | 19-Mar | 1137 | 3753.9 | 7408.2 | X26751.6 | Y42099.6 | 212 | 61.8 | 10.91 |
| 69 | 19-Mar | 1330 | 3754.3 | 7410.8 | X26765.5 | Y42100.5 | 184 | 56.3 | 9.9 |
| 70 | 19-Mar | 1719 | 3735.1 | 7416.9 | X26773.5 | Y41890.7 | 216 | 131.5 | 9.11 |
| 71 | 19-Mar | 2333 | 3736.7 | 7438.3 | X26880.2 | Y41874.7 | 181 | 31.2 | 8.58 |
| 72 | 20-Mar | 435 | 3731.5 | 7456.8 | X26961.0 | Y41788.9 | 171 | 17.2 | 8.46 |
| 73 | 20-Mar | 649 | 3732 | 7444.5 | X26903.5 | Y41814.1 | 174 | 29.8 | 8.06 |
| 74 | 20-Mar | 857 | 3728.7 | 7444.6 | X26898.9 | Y41778.3 | 144 | 30.1 | 8.32 |
| 75 | 20-Mar | 1129 | 3716.7 | 7432.2 | X26825.2 | Y41671.8 | 193 | 64.8 | 11.47 |
| 76 | 20-Mar | 1914 | 3726.3 | 7524.4 | X27079.6 | Y41685.7 | 242 | 13.7 | 8.1 |
| 77 | 20-Mar | 2114 | 3721.4 | 7538.6 | X27133.9 | Y41606.7 | 187 | 6 | 9.49 |
| 78 | 20-Mar | 2239 | 3716.5 | 7541.8 | X27138.6 | Y41545.0 | 198 | 4.9 | 8.73 |
| 79 | 21-Mar | 17 | 3713.6 | 7532.8 | X27094.5 | Y41527.6 | 234 | 9.3 | |
| 80 | 21-Mar | 205 | 3707.5 | 7546 | X27140.3 | Y41434.6 | 187 | 5.2 | 9.85 |
| 81 | 21-Mar | 434 | 3653.4 | 7557.4 | X27161.8 | Y41251.6 | 157 | 4.1 | 10.61 |
| 82 | 21-Mar | 616 | 3656.3 | 7546 | X27120.4 | Y41307.0 | 93 | 8.2 | 9.82 |
| 83 | 21-Mar | 737 | 3656.5 | 7540.9 | X27099.7 | Y41319.9 | 162 | 10.4 | 9.17 |
| 84 | 21-Mar | 948 | 3653.6 | 7522.2 | X27016.4 | Y41325.6 | 87 | 15 | 8.99 |
| 85 | 21-Mar | 1207 | 3655.7 | 7503.4 | X26938.5 | Y41387.1 | 40 | 20.8 | 9.49 |
| 86 | 21-Mar | 1450 | 3711.6 | 7446.7 | X26885.6 | Y41591.8 | 117 | 38.8 | 8.83 |
| 87 | 21-Mar | 1806 | 3707.5 | 7433 | X26818.4 | Y41574.2 | 192 | 132.9 | 5.59 |
| 88 | 21-Mar | 1939 | 3658.9 | 7440.5 | X26841.9 | Y41469.1 | 229 | 47 | 11.25 |
| 89 | 21-Mar | 2125 | 3653.7 | 7448.5 | X26871.2 | Y41398.1 | 144 | 30.6 | 9.02 |
| 90 | 21-Mar | 2342 | 3644.1 | 7440.8 | X26827.1 | Y41314.7 | 192 | 59.1 | 9.92 |
| 91 | 22-Mar | 152 | 3638.9 | 7447.8 | X26851.2 | Y41244.7 | 259 | 28.4 | 9.47 |
| 92 | 22-Mar | 456 | 3623.9 | 7509.2 | X26922.5 | Y41036.7 | 80 | 17.8 | 10.57 |
| 93 | 22-Mar | 717 | 3624.2 | 7448.5 | X26838.1 | Y41093.8 | 194 | 48.4 | 12.17 |
| 94 | 22-Mar | 923 | 3618.2 | 7446.9 | X26825.4 | Y41037.5 | 8 | 111 | 12.67 |
| 95 | 22-Mar | 1125 | 3612.1 | 7452 | X26839.8 | Y40962.5 | 216 | 43.7 | 11 |
| 96 | 22-Mar | 1247 | 3608.5 | 7456.8 | X26855.4 | Y40913.3 | 174 | 23.2 | 10.35 |

NOAA Fisheries Service NEFSC SPRING BOTTOM TRAWL SURVEY
2008 STATION INFORMATION

| Station | Date | Time | Lat | Lon | Loran TD's | Course | Bottom Depth (FM) | Temp (F) |
|---------|--------|------|--------|--------|-------------------|--------|-------------------|----------|
| 97 | 22-Mar | 1559 | 3600.5 | 7447.8 | X26811.9 Y40860.4 | 184 | 120.6 | 5.51 |
| 98 | 22-Mar | 1840 | 3541.4 | 7452.7 | X26813.6 Y40663.7 | 255 | 36.6 | 12.48 |
| 99 | 22-Mar | 2052 | 3536.6 | 7508.1 | X26866.8 Y40567.7 | 243 | 19.1 | 11.5 |
| 100 | 22-Mar | 2301 | 3531.7 | 7522.9 | X26916.1 Y40470.8 | 180 | 9.8 | 10.94 |
| 101 | 23-Mar | 26 | 3525.5 | 7527.5 | X26926.2 Y40395.7 | 173 | 6.6 | 17.34 |
| 102 | 23-Mar | 325 | 3503.8 | 7523.9 | X26891.9 Y40211.1 | 53 | 18.3 | |
| 103 | 23-Mar | 612 | 3509 | 7532.2 | X26925.8 Y40224.9 | 248 | 8.2 | 14.42 |
| 104 | 23-Mar | 727 | 3504.1 | 7539.7 | X26946.6 Y40151.3 | 278 | 13.4 | 16.71 |
| 105 | 23-Mar | 851 | 3508.2 | 7546.4 | X26973.9 Y40163.1 | 242 | 8.5 | 14.69 |
| 106 | 23-Mar | 1010 | 3503.6 | 7551.2 | X26985.4 Y40101.9 | 188 | 11.5 | 14.8 |
| 107 | 23-Mar | 1306 | 3441.6 | 7601.3 | X26995.3 Y39865.5 | 145 | 18.9 | 16.29 |
| 108 | 23-Mar | 1448 | 3433.4 | 7555.3 | X26967.5 Y39825.5 | 41 | 26 | 20.13 |
| 109 | 23-Mar | 1701 | 3437.3 | 7541 | X26924.6 Y39919.4 | 29 | 70.8 | 18.57 |
| 110 | 23-Mar | 1833 | 3442.4 | 7536 | X26912.9 Y39982.2 | 43 | 77.9 | 18.24 |
| 111 | 23-Mar | 2051 | 3453.6 | 7534.8 | X26919.6 Y40079.1 | 42 | 25.7 | 19.7 |
| 112 | 23-Mar | 2219 | 3453.8 | 7528.7 | X26899.1 Y40106.3 | 44 | 41.8 | |
| 113 | 24-Mar | 56 | 3506.7 | 7513.3 | X26857.9 Y40277.5 | 43 | 50.9 | 15.21 |
| 114 | 24-Mar | 511 | 3536.2 | 7526 | X26932.3 Y40504.1 | 348 | 8.2 | 10.71 |
| 115 | 24-Mar | 658 | 3543.5 | 7516.9 | X26906.3 Y40605.6 | 5 | 18.9 | 10.68 |
| 116 | 24-Mar | 844 | 3546.3 | 7524.8 | X26938.9 Y40607.5 | 2 | 9.6 | 10.58 |
| 117 | 24-Mar | 1129 | 3608.5 | 7530.5 | X26987.2 Y40818.4 | 329 | 13.1 | 10.12 |
| 118 | 24-Mar | 1331 | 3618.5 | 7538.2 | X27030.5 Y40905.1 | 276 | 11.8 | 10.04 |
| 119 | 24-Mar | 1505 | 3620.2 | 7546.4 | X27064.7 Y40902.5 | 351 | 8.5 | 10.14 |
| 120 | 24-Mar | 1638 | 3621.8 | 7548.1 | X27073.7 Y40915.5 | 354 | 5.7 | 10.61 |
| 121 | 24-Mar | 1751 | 3627.6 | 7548.7 | X27084.7 Y40979.1 | 357 | 7.4 | 10.27 |
| 122 | 24-Mar | 1950 | 3638.1 | 7548.9 | X27102.1 Y41095.7 | 2 | 9.6 | 9.84 |
| 123 | 24-Mar | 2215 | 3648.5 | 7538.9 | X27078.2 Y41233.6 | 9 | 11.5 | 9.26 |
| 124 | 25-Mar | 302 | 3729.5 | 7527.5 | X27099.5 Y41717.0 | 359 | 9 | 8.52 |
| 125 | 25-Mar | 524 | 3736.2 | 7533.9 | X27140.9 Y41783.9 | 10 | 4.6 | 8.48 |
| 126 | 25-Mar | 706 | 3738.4 | 7521.2 | X27086.8 Y41827.6 | 61 | 8.7 | 8.16 |
| 127 | 25-Mar | 849 | 3746.4 | 7512.9 | X27062.5 Y41930.2 | 21 | 9.8 | 8.05 |
| 128 | 25-Mar | 1038 | 3756.3 | 7503.9 | X27037.1 Y42053.8 | 52 | 12.6 | 7.87 |
| 129 | 25-Mar | 1234 | 3758.2 | 7505.4 | X27048.4 Y42073.9 | 46 | 10.7 | 7.92 |
| 130 | 25-Mar | 1408 | 3802.7 | 7454.1 | X27000.2 Y42138.2 | 327 | 13.9 | 7.95 |
| 131 | 25-Mar | 1609 | 3808.2 | 7508 | X27080.8 Y42183.2 | 15 | 7.7 | 7.75 |
| 132 | 25-Mar | 1731 | 3815.2 | 7506.6 | X27088.0 Y42264.2 | 25 | 5.7 | 7.87 |
| 133 | 25-Mar | 1924 | 3820.6 | 7451.5 | X27020.4 Y42340.6 | 351 | 10.9 | 7.48 |
| 134 | 25-Mar | 2041 | 3823.5 | 7457 | X27054.9 Y42367.0 | 11 | 9.3 | 7.47 |
| 135 | 25-Mar | 2139 | 3827 | 7453.2 | X27041.8 Y42410.1 | 22 | 11.5 | 7.45 |
| 136 | 25-Mar | 2337 | 3833.6 | 7400.6 | X26760.3 Y42524.2 | 70 | 8.5 | 7.59 |
| 137 | 26-Mar | 1025 | 4000.2 | 7319.3 | X26619.1 Y43407.7 | 293 | 29.3 | 6.91 |
| 138 | 26-Mar | 1339 | 4007.3 | 7352.4 | X26880.5 Y43500.4 | 7 | 13.1 | 6.24 |
| 139 | 26-Mar | 1509 | 4008.9 | 7345.3 | X26831.6 Y43510.6 | 346 | 17.5 | 6.41 |
| 140 | 26-Mar | 1656 | 4017 | 7341.9 | X26825.1 Y43589.2 | 336 | 14.2 | 6.04 |
| 141 | 26-Mar | 1902 | 4030.5 | 7340 | X26843.7 Y43718.7 | 304 | 10.1 | 6.02 |
| 142 | 26-Mar | 2026 | 4029.1 | 7342.9 | X26862.6 Y43708.3 | 154 | 13.9 | 6.07 |
| 143 | 26-Mar | 2215 | 4028.8 | 7331 | X26768.0 Y43693.2 | 121 | 12 | 6.02 |
| 144 | 26-Mar | 2345 | 4026.3 | 7325.7 | X26719.9 Y43663.2 | 95 | 15.9 | 5.84 |

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|---------|--------|------|--------|--------|------------|----------|--------|-------------------|----------|
| ---- | ----- | ---- | ----- | ----- | ----- | ----- | --- | ----- | ---- |
| 145 | 27-Mar | 156 | 4021 | 7307.2 | X26561.8 | Y43594.5 | 64 | 20.2 | 5.73 |
| 146 | 27-Mar | 348 | 4028.3 | 7254.2 | X26470.8 | Y43648.1 | 91 | 21.9 | 5.36 |
| 147 | 27-Mar | 559 | 4040.8 | 7258.7 | X26531.2 | Y43765.5 | 63 | 6.6 | 5.33 |
| 148 | 27-Mar | 831 | 4036.6 | 7231 | X26292.8 | Y43694.8 | 103 | 22.7 | 6.06 |
| 149 | 27-Mar | 1021 | 4025.9 | 7231.5 | X26282.7 | Y43602.9 | 126 | 26 | 5.85 |
| 150 | 27-Mar | 1134 | 4024.8 | 7230.7 | X26275.0 | Y43593.0 | 125 | 26.5 | 6.03 |
| 151 | 27-Mar | 1314 | 4019.1 | 7221.5 | X26195.5 | Y43534.0 | 124 | 30.9 | 6.15 |
| 152 | 27-Mar | 1526 | 4011 | 7207.7 | X26083.6 | Y43452.8 | 73 | 35.5 | 8.6 |
| 153 | 27-Mar | 1713 | 4014.4 | 7156.6 | X25998.2 | Y43472.5 | 15 | 35.8 | 8.03 |
| 154 | 27-Mar | 1828 | 4018.5 | 7155.4 | X25989.3 | Y43505.5 | 30 | 36.1 | 7.69 |
| 155 | 31-Mar | 1638 | 4123 | 7106.4 | X25634.1 | Y43935.8 | 217 | 14.8 | 4.86 |
| 156 | 31-Mar | 1946 | 4103.8 | 7131 | X25813.9 | Y43834.2 | 295 | 15.9 | 6.11 |
| 157 | 31-Mar | 2208 | 4059.1 | 7155.9 | X26026.3 | Y43833.1 | 232 | 12.3 | 5.42 |
| 158 | 31-Mar | 2329 | 4058 | 7155.8 | X26023.3 | Y43824.5 | 76 | 14.2 | 5.46 |
| 159 | 1-Apr | 142 | 4058.7 | 7145.1 | X25930.5 | Y43814.8 | 84 | 24.6 | 6.33 |
| 160 | 1-Apr | 507 | 4101.6 | 7116.6 | X25683.9 | Y43798.4 | 164 | 24.9 | 5.74 |
| 161 | 1-Apr | 707 | 4051.5 | 7108.2 | X25604.5 | Y43714.1 | 56 | 33.4 | 5.33 |
| 162 | 1-Apr | 921 | 4103.8 | 7054.9 | X25494.3 | Y43786.6 | 98 | 19.4 | |
| 163 | 1-Apr | 1131 | 4101.2 | 7039.1 | X25355.3 | Y43748.9 | 106 | 24.6 | 4.96 |
| 164 | 1-Apr | 1306 | 4058.3 | 7029.2 | X25275.1 | Y43717.4 | 114 | 24.6 | 4.73 |
| 165 | 1-Apr | 1539 | 4114 | 7031.2 | X25293.1 | Y43825.6 | 158 | 18.9 | 5.08 |
| 166 | 1-Apr | 1832 | 4106.8 | 7012.6 | X25127.7 | Y43755.1 | 139 | 13.9 | 4.47 |
| 167 | 2-Apr | 629 | 4102.8 | 7007.6 | X25101.1 | Y43722.9 | 218 | 12.3 | 4.79 |
| 168 | 2-Apr | 834 | 4055.7 | 7011.3 | X25148.0 | Y43679.6 | 230 | 15.6 | 4.63 |
| 169 | 2-Apr | 1227 | 4028.8 | 7037.5 | X25395.7 | Y43516.3 | 271 | 40.7 | 5.64 |
| 170 | 2-Apr | 1516 | 4030.1 | 7100.6 | X25558.7 | Y43547.0 | 90 | 42.7 | 6.29 |
| 171 | 2-Apr | 1829 | 4011.7 | 7036.7 | X25433.0 | Y43390.0 | 181 | 66.7 | 12.14 |
| 172 | 2-Apr | 2058 | 4000.2 | 7036.1 | X25457.9 | Y43304.1 | 73 | 126.9 | 10.67 |
| 173 | 2-Apr | 2349 | 4006.3 | 7011.6 | X25311.8 | Y43334.6 | 258 | 79.6 | 11.85 |
| 174 | 3-Apr | 221 | 4000.6 | 7008.7 | X25315.5 | Y43292.2 | 131 | 106.6 | 10.48 |
| 175 | 3-Apr | 449 | 3959.4 | 6953 | W14194.9 | Y43275.2 | 334 | 80.4 | 12.65 |
| 176 | 3-Apr | 725 | 4013.2 | 7000.9 | X25241.2 | Y43377.5 | 264 | 53 | 9.59 |
| 177 | 3-Apr | 944 | 4018.8 | 7016.2 | X25296.3 | Y43427.7 | 75 | 48.4 | 10.16 |
| 178 | 3-Apr | 1258 | 4031.1 | 6946 | W14056.3 | Y43489.7 | 83 | 36.9 | 5.47 |
| 179 | 3-Apr | 1426 | 4026.4 | 6941 | W14046.4 | Y43454.6 | 161 | 38 | 5.45 |
| 180 | 3-Apr | 1554 | 4019.2 | 6936.5 | W14048.1 | Y43402.9 | 216 | 40.7 | 5.79 |
| 181 | 3-Apr | 1704 | 4016.5 | 6939 | W14069.6 | Y43386.0 | 102 | 42.7 | 6.13 |
| 182 | 3-Apr | 2311 | 4007.5 | 6835 | W13790.7 | Y43292.4 | 243 | 119.8 | 7.68 |
| 183 | 4-Apr | 152 | 4015.6 | 6821.5 | W13699.9 | Y43336.4 | 44 | 88 | 11.66 |
| 184 | 4-Apr | 355 | 4020.8 | 6812 | W13637.8 | Y43362.5 | 5 | 80.9 | 11.87 |
| 185 | 4-Apr | 632 | 4036.4 | 6757.8 | W13513.1 | Y43447.3 | 294 | 48.1 | 6.67 |
| 186 | 4-Apr | 800 | 4038.7 | 6806.8 | W13544.2 | Y43466.5 | 359 | 46.2 | 7.61 |
| 187 | 4-Apr | 1054 | 4053.9 | 6802.1 | W13460.4 | Y43551.3 | 57 | 26.8 | 5.23 |
| 188 | 4-Apr | 1231 | 4056.1 | 6753 | W13410.5 | Y43557.2 | 63 | 31.7 | 5.3 |
| 189 | 4-Apr | 1403 | 4059 | 6744.8 | W13361.8 | Y43567.4 | 155 | 32.3 | 5.31 |
| 190 | 4-Apr | 1804 | 4039.5 | 6739.1 | W13419.3 | Y43453.4 | 165 | 42.9 | 5.04 |
| 191 | 4-Apr | 2002 | 4039.2 | 6726.8 | W13368.4 | Y43444.4 | 118 | 51.4 | 5.45 |
| 192 | 4-Apr | 2239 | 4031.7 | 6713.1 | W13342.9 | Y43395.2 | 51 | 89.1 | 12.95 |

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|---------|--------|------|--------|--------|-------------------|--------|-------------------|----------|
| ---- | ----- | ---- | ----- | ----- | ----- | --- | ----- | ---- |
| 193 | 5-Apr | 257 | 4051.5 | 6650.8 | W13171.5 Y43490.1 | 356 | 51.9 | 5.07 |
| 194 | 5-Apr | 522 | 4053.5 | 6700.6 | W13201.2 Y43506.7 | 3 | 47.6 | 4.57 |
| 195 | 5-Apr | 922 | 4108.8 | 6738.6 | W13291.7 Y43616.7 | 353 | 29 | 5.28 |
| 196 | 5-Apr | 1131 | 4121 | 6741 | W13246.4 Y43685.1 | 59 | 20.5 | 5.33 |
| 197 | 5-Apr | 1300 | 4123.4 | 6735.2 | W13210.1 Y43692.6 | 35 | 21.1 | 5.34 |
| 198 | 5-Apr | 1529 | 4136.3 | 6722.7 | W13095.4 Y43749.2 | 132 | 18.6 | 5.36 |
| 199 | 5-Apr | 1946 | 4109 | 6653.3 | W13103.9 Y43583.7 | 180 | 39.4 | 5.04 |
| 200 | 5-Apr | 2219 | 4100.9 | 6633 | W13062.1 Y43528.8 | 21 | 50.6 | 8.98 |
| 201 | 6-Apr | 121 | 4059 | 6626.6 | W13046.5 Y43514.8 | 28 | 181.3 | 6.25 |
| 202 | 6-Apr | 339 | 4108.5 | 6622.1 | W12988.1 Y43560.3 | 30 | 69.4 | 6.07 |
| 203 | 6-Apr | 656 | 4116.3 | 6645.1 | W13038.6 Y43615.6 | 69 | 41.6 | 4.96 |
| 204 | 6-Apr | 825 | 4118.6 | 6636.9 | W12996.7 Y43621.5 | 10 | 47.3 | 4.91 |
| 205 | 6-Apr | 941 | 4124 | 6634.8 | W12963.8 Y43646.9 | 332 | 48.1 | 4.81 |
| 206 | 6-Apr | 1145 | 4136.1 | 6644.1 | W12941.2 Y43714.8 | 276 | 39.6 | 4.94 |
| 207 | 6-Apr | 1424 | 4138.6 | 6700.9 | W12994.5 Y43741.7 | 35 | 32 | 5.08 |
| 208 | 6-Apr | 1808 | 4151.3 | 6649 | W12884.8 Y43793.9 | 69 | 34.2 | 4.75 |
| 209 | 7-Apr | 1446 | 4155.4 | 6639.3 | W12827.7 Y43804.8 | 44 | 41.6 | 4.9 |
| 210 | 7-Apr | 1825 | 4151.1 | 6635.2 | W12833.9 Y43780.4 | 61 | 41.6 | 4.74 |
| 211 | 7-Apr | 2337 | 4136.2 | 6627.5 | W12878.8 Y43701.5 | 71 | 46.5 | 4.56 |
| 212 | 8-Apr | 347 | 4117.5 | 6620.3 | W12940.6 Y43604.2 | 61 | 54.4 | 4.58 |
| 213 | 8-Apr | 532 | 4120.8 | 6615 | W12906.6 Y43616.6 | 61 | 68.9 | 5.49 |
| 214 | 8-Apr | 936 | 4124.3 | 6600 | W12837.4 Y43623.8 | 204 | 160.2 | 7.47 |
| 215 | 8-Apr | 1300 | 4136.4 | 6559.8 | W12779.7 Y43681.7 | 283 | 51.9 | 6.9 |
| 216 | 8-Apr | 1524 | 4138.6 | 6610.7 | W12806.9 Y43700.3 | 29 | 50.3 | 4.34 |
| 217 | 8-Apr | 1649 | 4143.6 | 6608.6 | W12775.2 Y43722.6 | 59 | 48.7 | 4.11 |
| 218 | 8-Apr | 1911 | 4146.5 | 6552.8 | W12708.0 Y43723.8 | 339 | 65.6 | 5.55 |
| 219 | 8-Apr | 2032 | 4151.5 | 6556.9 | W12697.5 Y43750.0 | 347 | 52.8 | 5.17 |
| 220 | 8-Apr | 2150 | 4156.6 | 6558.8 | W12678.6 Y43775.2 | 340 | 51.4 | 5.44 |
| 221 | 8-Apr | 2323 | 4203.4 | 6602.4 | W12656.0 Y43809.7 | 271 | 53 | 6.08 |
| 222 | 9-Apr | 111 | 4200.8 | 6614.4 | W12710.2 Y43808.3 | 345 | 44 | 4.82 |
| 223 | 9-Apr | 231 | 4205.9 | 6610.1 | W12669.5 Y43827.9 | 300 | 51.9 | 5.07 |
| 224 | 9-Apr | 438 | 4208.8 | 6619.1 | W12685.7 Y43849.4 | 52 | 97.6 | 5.78 |
| 225 | 9-Apr | 625 | 4211.8 | 6613.9 | W12651.8 Y43858.5 | 301 | 112.4 | 7.16 |
| 226 | 9-Apr | 835 | 4213.3 | 6630.7 | W12703.5 Y43880.9 | 348 | 128.2 | 7.3 |
| 227 | 9-Apr | 1125 | 4221.8 | 6622.3 | W12628.3 Y43911.5 | 292 | 144.1 | 7.25 |
| 228 | 9-Apr | 1406 | 4226.3 | 6635.9 | W12652.6 Y43945.6 | 270 | 172.5 | 6.97 |
| 229 | 9-Apr | 1643 | 4226.2 | 6648.6 | W12699.6 Y43958.7 | 154 | 189.2 | 6.66 |
| 230 | 9-Apr | 1902 | 4213.9 | 6640.3 | W12735.3 Y43893.0 | 254 | 126.9 | 7.25 |
| 231 | 9-Apr | 2044 | 4210.7 | 6651.4 | W12794.1 Y43889.0 | 275 | 96.8 | 5.9 |
| 232 | 9-Apr | 2220 | 4209.1 | 6657.9 | W12827.5 Y43888.5 | 280 | 48.1 | 5.16 |
| 233 | 10-Apr | 40 | 4200.4 | 6709.9 | W12920.7 Y43858.5 | 22 | 27.6 | 5.17 |
| 234 | 10-Apr | 305 | 4152.7 | 6706.5 | W12947.1 Y43816.8 | 151 | 29 | 5.21 |
| 235 | 10-Apr | 507 | 4147.5 | 6715.9 | W13011.7 Y43799.9 | 183 | 29 | 5.34 |
| 236 | 10-Apr | 710 | 4143 | 6729.7 | W13091.6 Y43790.5 | 1 | 25.2 | 5.46 |
| 237 | 10-Apr | 911 | 4155 | 6725 | W13011.3 Y43846.9 | 357 | 24.3 | 5.23 |
| 238 | 10-Apr | 1100 | 4206.6 | 6724 | W12947.0 Y43903.1 | 257 | 44.8 | 5.38 |
| 239 | 10-Apr | 1428 | 4158 | 6755.3 | W13128.8 Y43894.0 | 198 | 74.6 | 5.61 |
| 240 | 10-Apr | 1634 | 4143.8 | 6751.8 | W13184.9 Y43816.7 | 223 | 14.8 | |

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|---------|--------|------|--------|--------|------------|----------|--------|-------------------|----------|
| ---- | ----- | ---- | ----- | ----- | ----- | ----- | --- | ----- | ---- |
| 241 | 16-Apr | 1524 | 4133.5 | 6933.6 | W13742.4 | Y43875.4 | 111 | 25.4 | 4.27 |
| 242 | 16-Apr | 1654 | 4131.7 | 6927.2 | W13716.1 | Y43856.4 | 132 | 30.9 | 4.28 |
| 243 | 16-Apr | 1920 | 4122 | 6929.2 | W13769.3 | Y43800.8 | 157 | 16.4 | 5.27 |
| 244 | 16-Apr | 2107 | 4113.6 | 6922.8 | W13771.3 | Y43742.3 | 132 | 25.2 | 5.28 |
| 245 | 16-Apr | 2312 | 4107.2 | 6912.9 | W13746.7 | Y43692.0 | 158 | 29.8 | 5.21 |
| 246 | 17-Apr | 340 | 4054.1 | 6935.5 | W13917.3 | Y43632.4 | 132 | 20 | 5.39 |
| 247 | 17-Apr | 622 | 4057.4 | 6906.8 | W13756.1 | Y43626.0 | 67 | 41.6 | 5.18 |
| 248 | 17-Apr | 816 | 4103.7 | 6854.7 | W13668.8 | Y43653.5 | 182 | 38.5 | 5.85 |
| 249 | 17-Apr | 944 | 4058.8 | 6850.7 | W13669.3 | Y43619.9 | 227 | 35.3 | 6 |
| 250 | 17-Apr | 1215 | 4040.8 | 6857.4 | W13774.7 | Y43514.7 | 76 | 36.4 | 5.73 |
| 251 | 17-Apr | 2035 | 4051.7 | 6837.1 | W13632.8 | Y43565.7 | 298 | 30.9 | 6.05 |
| 252 | 17-Apr | 2317 | 4057.5 | 6847.7 | W13660.4 | Y43609.4 | 86 | 35.3 | 6.09 |
| 253 | 18-Apr | 457 | 4116.8 | 6838 | W13529.8 | Y43714.5 | 106 | 33.1 | 6.02 |
| 254 | 18-Apr | 711 | 4116.3 | 6826.8 | W13477.2 | Y43701.0 | 57 | 29.8 | 6.13 |
| 255 | 18-Apr | 855 | 4121.3 | 6816.8 | W13407.3 | Y43719.5 | 46 | 25.7 | 6.17 |
| 256 | 18-Apr | 1036 | 4126.1 | 6806.7 | W13338.3 | Y43736.3 | 348 | 23.2 | 6.32 |
| 257 | 18-Apr | 1432 | 4148.4 | 6811.4 | W13252.0 | Y43861.9 | 243 | 48.4 | 5.19 |
| 258 | 18-Apr | 1626 | 4144.2 | 6823.9 | W13332.8 | Y43853.0 | 255 | 93.8 | 5.17 |
| 259 | 18-Apr | 1951 | 4132.3 | 6857 | W13554.2 | Y43824.6 | 48 | 72.2 | 5.02 |
| 260 | 18-Apr | 2238 | 4146.4 | 6836.7 | W13384.1 | Y43879.9 | 14 | 91.9 | 5.99 |
| 261 | 19-Apr | 120 | 4201.1 | 6826.7 | W13260.7 | Y43947.2 | 350 | 90.8 | 6.28 |
| 262 | 19-Apr | 333 | 4210.6 | 6832.8 | W13241.1 | Y44004.3 | 321 | 89.7 | 5.65 |
| 263 | 19-Apr | 531 | 4221 | 6834.2 | W13191.8 | Y44059.4 | 66 | 94.9 | 6.3 |
| 264 | 19-Apr | 907 | 4226.2 | 6800.6 | W13001.2 | Y44041.8 | 131 | 96 | 6.9 |
| 265 | 19-Apr | 1138 | 4218.8 | 6746.5 | W12978.4 | Y43988.5 | 44 | 119.8 | 7.23 |
| 266 | 19-Apr | 1438 | 4230.7 | 6722.5 | W12808.9 | Y44017.0 | 59 | 169.2 | 6.86 |
| 267 | 19-Apr | 1801 | 4242.6 | 6733.7 | W12788.0 | Y44085.4 | 308 | 107.2 | 6.95 |
| 268 | 19-Apr | 2048 | 4253.5 | 6749.4 | W12792.1 | Y44155.2 | 40 | 113.2 | 7.21 |
| 269 | 19-Apr | 2258 | 4258.7 | 6736.5 | W12704.1 | Y44161.7 | 123 | 111.5 | 6.93 |
| 270 | 20-Apr | 151 | 4250.2 | 6720.8 | W12689.1 | Y44104.2 | 341 | 121.7 | 7.06 |
| 271 | 20-Apr | 609 | 4329 | 6723.4 | W12459.4 | Y44272.9 | 35 | 118.4 | 6.98 |
| 272 | 20-Apr | 901 | 4338.7 | 6709.2 | W12341.7 | Y44292.9 | 15 | 82.6 | 6.72 |
| 273 | 20-Apr | 1052 | 4346.2 | 6703.1 | W12269.8 | Y44314.0 | 41 | 79 | 5.29 |
| 274 | 20-Apr | 1255 | 4356.6 | 6651.1 | W12159.1 | Y44338.0 | 151 | 64.5 | 5.07 |
| 275 | 20-Apr | 1440 | 4346.6 | 6643.7 | W12200.6 | Y44290.7 | 144 | 50.6 | 4.67 |
| 276 | 20-Apr | 1700 | 4336.9 | 6637.8 | W12243.1 | Y44246.0 | 147 | 66.7 | 4.33 |
| 277 | 20-Apr | 1856 | 4324 | 6640.8 | W12333.5 | Y44198.7 | 148 | 63.7 | 5.08 |
| 278 | 20-Apr | 2204 | 4318.4 | 6634.2 | W12345.6 | Y44168.2 | 314 | 52.2 | 3.84 |
| 279 | 21-Apr | 3 | 4318.3 | 6624.1 | W12313.3 | Y44155.6 | 283 | 31.2 | 3.8 |
| 280 | 21-Apr | 340 | 4344.9 | 6627.4 | W12159.5 | Y44263.9 | 7 | 39.4 | 4.03 |
| 281 | 21-Apr | 728 | 4404.2 | 6635.2 | W12058.6 | Y44345.4 | 237 | 53.6 | 4.54 |
| 282 | 21-Apr | 1019 | 4414.5 | 6658.9 | W12063.7 | Y44413.3 | 222 | 91.9 | 5.78 |
| 283 | 21-Apr | 1311 | 4416.2 | 6713 | W12099.8 | Y44438.7 | 268 | 105.3 | 6.69 |
| 284 | 21-Apr | 1607 | 4413.3 | 6746.2 | W12249.7 | Y44475.1 | 57 | 59.3 | 4.82 |
| 285 | 21-Apr | 1843 | 4402 | 6741 | W12308.0 | Y44426.4 | 23 | 111.5 | 7.08 |
| 286 | 21-Apr | 2157 | 4351 | 6746.4 | W12407.7 | Y44392.0 | 218 | 120 | 7.03 |
| 287 | 22-Apr | 130 | 4331.1 | 6804.8 | W12624.4 | Y44339.4 | 31 | 105.8 | 7.09 |
| 288 | 22-Apr | 335 | 4340.8 | 6800.6 | W12540.0 | Y44372.5 | 351 | 95.1 | 7.17 |

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| ---- | ----- | ---- | ----- | ----- | ----- | --- | ----- | ---- |
| 289 | 22-Apr | 729 | 4353.3 | 6809.7 | W12495.8 Y44435.4 | 221 | 95.4 | 5.08 |
| 290 | 22-Apr | 1007 | 4350.3 | 6827.3 | W12601.9 Y44450.5 | 67 | 67.5 | 4.85 |
| 291 | 22-Apr | 1901 | 4357.4 | 6818.5 | W12508.9 Y44464.5 | 87 | 55.2 | 4.67 |
| 292 | 23-Apr | 127 | 4346.5 | 6923.1 | W12930.8 Y44526.4 | 178 | 44.8 | 3.72 |
| 293 | 23-Apr | 435 | 4326.5 | 6910 | W12988.4 Y44421.5 | 241 | 83.7 | 5.43 |
| 294 | 23-Apr | 617 | 4323.7 | 6918.6 | W13054.9 Y44423.8 | 161 | 85.8 | 5.56 |
| 295 | 23-Apr | 958 | 4311.6 | 6911.5 | W13092.4 Y44358.1 | 229 | 103.6 | 5.73 |
| 296 | 23-Apr | 1257 | 4306.7 | 6917.2 | W13154.0 Y44345.4 | 214 | 114 | 5.68 |
| 297 | 23-Apr | 1633 | 4251.4 | 6901.9 | W13162.6 Y44248.8 | 359 | 97.3 | 5.43 |
| 298 | 23-Apr | 2013 | 4256 | 6832.3 | W12980.3 Y44226.5 | 323 | 105.3 | 6.79 |
| 299 | 23-Apr | 2328 | 4255.8 | 6821.4 | W12927.6 Y44209.7 | 155 | 91 | 6.49 |
| 300 | 24-Apr | 224 | 4238.2 | 6825.9 | W13053.6 Y44133.1 | 295 | 110.7 | 7.12 |
| 301 | 24-Apr | 554 | 4246.4 | 6844.3 | W13098.7 Y44198.6 | 239 | 107.4 | 7.1 |
| 302 | 24-Apr | 901 | 4223.6 | 6849.1 | W13253.5 Y44092.9 | 236 | 109.1 | 6.95 |
| 303 | 24-Apr | 1301 | 4238.6 | 6918.3 | W13327.1 Y44211.7 | 308 | 120 | 6.96 |
| 304 | 24-Apr | 1527 | 4236.8 | 6936.6 | W13440.6 Y44231.7 | 134 | 156.7 | 7 |
| 305 | 24-Apr | 1757 | 4224.3 | 6932.2 | W13484.0 Y44160.0 | 121 | 132.1 | 7.01 |
| 306 | 28-Apr | 1937 | 4146.2 | 7023.1 | X25384.9 Y44021.6 | 78 | 8.7 | 4.96 |
| 307 | 28-Apr | 2146 | 4156.3 | 7009 | X25369.3 Y44060.3 | 11 | 11.5 | 4.42 |
| 308 | 29-Apr | 20 | 4156.3 | 7028.7 | X25490.1 Y44091.5 | 1 | 17 | 3.78 |
| 309 | 29-Apr | 151 | 4158.5 | 7028.8 | X25505.2 Y44104.8 | 18 | 20.5 | 3.77 |
| 310 | 29-Apr | 315 | 4203.5 | 7023.8 | X25506.6 Y44126.3 | 69 | 29.3 | 3.67 |
| 311 | 29-Apr | 446 | 4206.1 | 7013.5 | X25463.9 Y44124.5 | 59 | 31.4 | 3.93 |
| 312 | 29-Apr | 824 | 4216.2 | 7016.4 | X25550.2 Y44187.0 | 268 | 19.1 | 4.79 |
| 313 | 29-Apr | 1027 | 4216 | 7033.1 | X25648.4 Y44214.6 | 274 | 28.4 | 3.89 |
| 314 | 29-Apr | 1434 | 4221.7 | 7038.1 | X25717.2 Y44255.7 | 328 | 35.3 | |
| 315 | 29-Apr | 1612 | 4223 | 7042.2 | X25752.3 Y44270.8 | 321 | 26.5 | |
| 316 | 29-Apr | 1913 | 4223.7 | 7042.4 | X25757.2 Y44274.7 | 348 | 25.4 | 3.82 |
| 317 | 29-Apr | 2231 | 4223 | 7044.6 | X25767.1 Y44274.6 | 335 | 21.3 | 3.84 |
| 318 | 30-Apr | 143 | 4233.4 | 7029 | X25735.8 Y44303.9 | 34 | 51.7 | 4.18 |
| 319 | 30-Apr | 417 | 4237.7 | 7022.6 | X25726.8 Y44315.1 | 296 | 37.7 | 3.76 |
| 320 | 30-Apr | 719 | 4239.9 | 7022.2 | X25738.6 Y44325.9 | 219 | 38.5 | |
| 321 | 30-Apr | 1010 | 4244.4 | 7038 | X25857.3 Y44378.7 | 304 | 27.6 | 8.91 |
| 322 | 30-Apr | 1218 | 4241.9 | 7042.3 | X25868.2 Y44373.6 | 309 | 7.1 | |
| 323 | 30-Apr | 1419 | 4251.2 | 7045.3 | X25942.0 Y44427.7 | 171 | 14.8 | 4.17 |
| 324 | 30-Apr | 1717 | 4250 | 7031.1 | X25851.4 Y44394.6 | 31 | 59.3 | 3.97 |
| 325 | 30-Apr | 2027 | 4308.8 | 7014.8 | X25876.0 Y44455.7 | 4 | 68.9 | 4.64 |
| 326 | 30-Apr | 2313 | 4322.8 | 7011.7 | X25940.6 Y44513.8 | 163 | 52.2 | 3.8 |
| 327 | 1-May | 237 | 4321.4 | 6946.8 | W13235.8 Y44462.5 | 219 | 94.3 | 5.2 |
| 328 | 1-May | 524 | 4305.6 | 7000.9 | X25790.3 Y44415.1 | 5 | 59.1 | 4.18 |
| 329 | 1-May | 737 | 4303.8 | 6954.6 | W13391.0 Y44395.7 | 181 | 111.5 | 6.6 |
| 330 | 1-May | 921 | 4253.2 | 6958.7 | W13478.2 Y44351.8 | 202 | 102 | 5.07 |
| 331 | 1-May | 1215 | 4236 | 7005.1 | X25624.5 Y44275.0 | 182 | 57.7 | 4.19 |
| 332 | 1-May | 1426 | 4238 | 6958 | W13560.3 Y44273.3 | 180 | 93 | 6.04 |
| 333 | 1-May | 1959 | 4210.9 | 6951.9 | W13667.2 Y44117.8 | 75 | 112.4 | 5.81 |
| 334 | 1-May | 2302 | 4221.4 | 6922.7 | W13446.1 Y44130.0 | 76 | 127.1 | 6.97 |
| 335 | 2-May | 54 | 4216.2 | 6912.6 | W13418.1 Y44087.9 | 163 | 112.6 | 6.92 |
| 336 | 2-May | 439 | 4148.6 | 6911.6 | W13553.6 Y43934.9 | 267 | 105.5 | 5.83 |

NOAA Fisheries Service NEFSC SPRING BOTTOM TRAWL SURVEY
2008 STATION INFORMATION

| Station | Date | Time | Lat | Lon | Loran TD's | | Course | Bottom Depth (FM) | Temp (F) |
|---------|-------|------|--------|--------|------------|----------|--------|-------------------|----------|
| ---- | ----- | ---- | ----- | ----- | ----- | ----- | --- | ----- | ---- |
| 337 | 2-May | 837 | 4154.2 | 6956.7 | W13776.3 | Y44029.8 | 169 | 9.3 | 6.43 |
| 338 | 2-May | 1035 | 4143.2 | 6945 | W13761.2 | Y43948.3 | 158 | 37.7 | 4.33 |
| 339 | 2-May | 1508 | 4142.7 | 6946.6 | W13772.6 | Y43947.5 | 130 | 31.4 | 4.32 |
| 340 | 2-May | 1841 | 4115.7 | 6931.4 | W13807.9 | Y43764.5 | 204 | 11.5 | 6.72 |
| 341 | 2-May | 2000 | 4110.6 | 6932.6 | W13835.8 | Y43734.3 | 242 | 11.8 | 6.9 |
| 342 | 2-May | 2147 | 4104 | 6931.1 | W13854.9 | Y43690.8 | 220 | 17.5 | 6.49 |
| 343 | 2-May | 2340 | 4055.6 | 6930.3 | W13884.0 | Y43637.1 | 242 | 23.2 | 6.57 |
| 344 | 3-May | 248 | 4113.3 | 6940.7 | W13868.4 | Y43760.0 | 351 | 10.1 | 6.42 |

NOAA FISHERIES-NEFSC SPRING BOTTOM TRAWL SURVEY
2008 CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

| | ATLANTIC COD | HADDOCK | POLLOCK | WHITE HAKE | SILVER HAKE | REDFISH | GOOSEFISH | SPINY DOGFISH | YELLOWTAIL FLOUNDER | WINTER FLOUNDER | AMERICAN PLAICE | WITCH FFLOUNDER | WINDOWPANE FLDR | SUMMER FLOUNDER | SCUP | BLACK SEA BASS | ATLANTIC HERRING | ATLANTIC MACKEREL | WINTER SKATE | LITTLE SKATE | BUTTERFISH | AMERICAN LOBSTER | LOLIGO | ILLEX | TOTAL OTHER * | TOTAL ALL |
|----|--------------|---------|---------|------------|-------------|---------|-----------|---------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|----------------|------------------|-------------------|--------------|--------------|------------|------------------|--------|-------|------------------|--------------|
| 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1273 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1287 |
| 39 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 842 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 12 | 876 |
| 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 549 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 25 | 17 | 0 | 0 | 0 | 0 | 1 | 596 |
| 41 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2417 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 1 | 2454 |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2965 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 3 | 2979 |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 1 | 8 | 106 |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 544 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 6 | 573 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1818 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 1827 |
| 46 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 4 | 54 |
| 47 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 891 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 4 | 9 | 0 | 0 | 3 | 0 | 0 | 0 | 7 | 924 |
| 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1421 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 356 | 0 | 1 | 0 | 5 | 1787 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 599 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 14 | 1 | 0 | 0 | 0 | 1 | 618 |
| 50 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 482 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 23 | 0 | 0 | 0 | 0 | 125 | 636 |
| 51 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 646 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 5 | 0 | 0 | 1 | 37 | 8 | 0 | 1 | 0 | 77 | 785 |
| 52 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 548 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 9 | 0 | 0 | 0 | 44 | 1 | 0 | 0 | 0 | 155 | 774 |
| 53 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 338 | 0 | 0 | 0 | 0 | 0 | 4 | 37 | 1 | 0 | 0 | 0 | 28 | 0 | 0 | 1 | 0 | 72 | 482 |
| 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 747 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 0 | 19 | 779 |
| 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1410 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 321 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1761 |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 164 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 190 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 36 | 0 | 0 | 0 | 0 | 7 | 347 |
| 59 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2322 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 390 | 2108 | 0 | 16 | 0 | 2 | 0 | 0 | 105 | 4948 |
| 60 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 666 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 67 | 20 | 0 | 200 | 0 | 0 | 0 | 0 | 15 | 972 |
| 61 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2021 | 0 | 0 | 0 | 0 | 0 | 16 | 58 | 0 | 0 | 1 | 0 | 11 | 1 | 0 | 1 | 0 | 14 | 2125 |
| 62 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 16 | 190 | 4 | 0 | 0 | 0 | 0 | 25 | 0 | 7 | 0 | 5 | 275 |
| 63 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 259 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 81 | 0 | 15 | 0 | 9 | 372 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 26 | 256 |
| 65 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 742 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 183 | 0 | 5 | 11 | 0 | 13 | 0 | 30 | 992 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 769 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 6 | 0 | 5 | 0 | 17 | 799 |
| 67 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 483 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 10 | 508 |
| 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1215 | 0 | 0 | 0 | 0 | 0 | 19 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 3 | 1251 |
| 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1550 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 7 | 1569 |
| 70 | 0 | 0 | 0 | 0 | 6 | 0 | 4 | 2254 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 20 | 2289 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1097 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 23 | 1145 |
| 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 217 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 6 | 21 | 0 | 0 | 0 | 0 | 4 | 250 |
| 73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1202 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 4 | 0 | 15 | 1230 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 962 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 14 | 988 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 557 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93 | 3 | 0 | 653 |

NOAA FISHERIES-NEFSC SPRING BOTTOM TRAWL SURVEY
2008 CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

| | ATLANTIC COD | HADDOCK | POLLOCK | WHITE HAKE | SILVER HAKE | REDFISH | GOOSEFISH | SPINY DOGFISH | YELLOWTAIL FLOUNDER | WINTER FLOUNDER | AMERICAN PLAICE | WITCH FFLOUNDER | WINDOWPANE FLDR | SUMMER FLOUNDER | SCUP | BLACK SEA BASS | ATLANTIC HERRING | ATLANTIC MACKEREL | WINTER SKATE | LITTLE SKATE | BUTTERFISH | AMERICAN LOBSTER | LOLIGO | ILLEX | TOTAL OTHER | TOTAL ALL |
|-----|--------------|---------|---------|------------|-------------|---------|-----------|---------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|----------------|------------------|-------------------|--------------|--------------|------------|------------------|--------|-------|----------------|--------------|
| 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 114 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 9 | 8 | 0 | 0 | 0 | 0 | 1 | 137 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 16 | 14 | 0 | 0 | 0 | 0 | 29 | 231 |
| 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 23 | 105 |
| 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 5 | 0 | 0 | 0 | 0 | 3 | 109 |
| 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 14 | 4 | 0 | 0 | 0 | 0 | 23 | 140 |
| 81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 618 | 692 |
| 82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 95 |
| 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 474 | 657 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 687 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 16 | 712 |
| 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 582 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 0 | 22 | 0 | 9 | 0 | 4 | 626 |
| 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 347 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 359 |
| 87 | 0 | 0 | 0 | 0 | 24 | 0 | 15 | 1826 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 10 | 1886 |
| 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 470 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 86 | 565 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 292 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 296 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1771 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 106 | 2 | 80 | 1960 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 752 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 762 |
| 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 13 | 497 |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 824 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 11 | 863 |
| 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 449 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 1 | 96 | 563 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 163 | 2 | 21 | 475 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 75 | 266 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 268 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 0 | 173 | 520 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 299 | 318 |
| 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 315 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 180 | 497 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 917 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 924 |
| 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 907 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 | 996 |
| 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1725 | 1736 |
| 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 903 | 922 |
| 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 296 | 302 |
| 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 1 | 0 | 54 | 62 |
| 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 33 | 41 |
| 107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 59 | 65 |
| 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 23 | 31 |
| 109 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 0 | 19 | 0 | 39 | 112 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 5 | 0 | 77 | 85 |
| 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 498 | 501 |
| 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 436 | 442 |
| 113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 82 | 94 |

NOAA FISHERIES-NEFSC SPRING BOTTOM TRAWL SURVEY
2008 CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

| | ATLANTIC COD | HADDOCK | POLLOCK | WHITE HAKE | SILVER HAKE | REDFISH | GOOSEFISH | SPINY DOGFISH | YELLOWTAIL FLOUNDER | WINTER FLOUNDER | AMERICAN PLAICE | WITCH FFLOUNDER | WINDOWPANE FLDR | SUMMER FLOUNDER | SCUP | BLACK SEA BASS | ATLANTIC HERRING | ATLANTIC MACKEREL | WINTER SKATE | LITTLE SKATE | BUTTERFISH | AMERICAN LOBSTER | LOLIGO | ILLEX | TOTAL OTHER | TOTAL ALL |
|-----|--------------|---------|---------|------------|-------------|---------|-----------|---------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|----------------|------------------|-------------------|--------------|--------------|------------|------------------|--------|-------|----------------|--------------|
| 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1601 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 1649 |
| 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 1 | 0 | 49 | 118 |
| 116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 138 |
| 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 518 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 8 | 531 |
| 118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 470 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 23 | 495 |
| 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 331 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 386 | 717 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 118 |
| 121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 151 | 202 |
| 122 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 164 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 32 | 213 |
| 123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 13 | 107 |
| 124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 120 | 1 | 0 | 0 | 0 | 0 | 4 | 211 |
| 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 118 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 17 | 161 |
| 126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 118 |
| 127 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 2 | 113 |
| 128 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 3 | 82 |
| 129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 115 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 39 | 16 | 1 | 0 | 2 | 0 | 21 | 195 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 146 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 171 |
| 131 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 191 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 33 | 51 | 1 | 0 | 0 | 0 | 28 | 309 |
| 132 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 183 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 22 | 37 | 0 | 0 | 0 | 0 | 23 | 271 |
| 133 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 11 | 67 | 0 | 0 | 0 | 0 | 1 | 113 |
| 134 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 18 | 148 | 0 | 0 | 0 | 0 | 9 | 254 |
| 135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 18 | 56 | 0 | 0 | 0 | 0 | 1 | 185 |
| 136 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 132 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 59 | 185 | 0 | 0 | 0 | 0 | 18 | 396 |
| 137 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 916 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 11 | 0 | 4 | 0 | 0 | 0 | 0 | 71 | 1013 |
| 138 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 124 |
| 139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 103 |
| 140 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 2 | 34 |
| 141 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 63 | 448 | 0 | 0 | 0 | 0 | 2 | 538 |
| 142 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 45 | 0 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 11 | 540 | 0 | 0 | 0 | 0 | 27 | 649 |
| 143 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 16 | 0 | 15 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 7 | 9 | 376 | 0 | 0 | 0 | 0 | 6 | 433 |
| 144 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 18 | 293 | 0 | 0 | 0 | 0 | 0 | 1 | 325 |
| 145 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 29 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 4 | 0 | 73 | 0 | 0 | 0 | 0 | 9 | 148 |
| 146 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 68 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 28 | 0 | 7 | 115 | 0 | 0 | 0 | 0 | 12 | 242 |
| 147 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 222 | 887 | 0 | 0 | 0 | 0 | 2 | 1119 |
| 148 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 54 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 4 | 66 |
| 149 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 115 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 131 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 102 |
| 151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 419 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 288 | 5 | 1 | 0 | 0 | 0 | 0 | 4 | 723 |

NOAA FISHERIES-NEFSC SPRING BOTTOM TRAWL SURVEY
2008 CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

| | ATLANTIC COD | HADDOCK | POLLOCK | WHITE HAKE | SILVER HAKE | REDFISH | GOOSEFISH | SPINY DOGFISH | YELLOWTAIL FLOUNDER | WINTER FLOUNDER | AMERICAN PLAICE | WITCH FFLOUNDER | WINDOWPANE FLDR | SUMMER FLOUNDER | SCUP | BLACK SEA BASS | ATLANTIC HERRING | ATLANTIC MACKEREL | WINTER SKATE | LITTLE SKATE | BUTTERFISH | AMERICAN LOBSTER | LOLIGO | ILLEX | TOTAL OTHER | TOTAL ALL | |
|-----|--------------|---------|---------|------------|-------------|---------|-----------|---------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|----------------|------------------|-------------------|--------------|--------------|------------|------------------|--------|-------|----------------|--------------|---|
| 190 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 13 | 25 | 0 | 0 | 0 | 0 | 13 | 67 | |
| 191 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 2 | 0 | 93 | 26 | 0 | 0 | 0 | 0 | 9 | 144 | |
| 192 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 31 | 3 | 13 | 0 | 7 | 0 | 93 | 192 | |
| 193 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 12 | 16 | |
| 194 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 84 | |
| 195 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 7 | 11 | |
| 196 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 6 | |
| 197 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 7 | 3 | 0 | 0 | 0 | 0 | 3 | 20 | |
| 198 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 199 | 5 | 144 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 11 | 12 | 0 | 0 | 0 | 0 | 18 | 202 | |
| 200 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 1 | 0 | 534 | 6 | 0 | 9 | 0 | 0 | 40 | 636 | |
| 201 | 0 | 0 | 0 | 0 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0 | 18 | 80 | |
| 202 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 13 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 420 | 92 | 0 | 0 | 0 | 0 | 27 | 569 | |
| 203 | 36 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 12 | 113 | |
| 204 | 75 | 222 | 0 | 0 | 0 | 0 | 0 | 3 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 341 | |
| 205 | 45 | 125 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 22 | 209 | |
| 206 | 21 | 880 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 9 | 975 | |
| 207 | 0 | 3574 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 3598 | |
| 208 | 11 | 16 | 0 | 0 | 0 | 0 | 0 | 5 | 20 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 8 | 72 | |
| 209 | 0 | 138 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 157 | |
| 210 | 0 | 92 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 12 | 0 | 0 | 0 | 0 | 7 | 162 | |
| 211 | 0 | 75 | 0 | 0 | 0 | 0 | 0 | 4 | 31 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 9 | 0 | 0 | 0 | 0 | 2 | 135 | |
| 212 | 59 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 73 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 60 | 6 | 0 | 8 | 0 | 0 | 10 | 230 | |
| 213 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 3 | 124 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 17 | 2 | 0 | 3 | 0 | 0 | 8 | 179 | |
| 214 | 0 | 28 | 227 | 6 | 71 | 81 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 0 | 0 | 33 | 674 | |
| 215 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 2 | 51 | |
| 216 | 0 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | |
| 217 | 0 | 71 | 0 | 0 | 0 | 0 | 0 | 6 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | |
| 218 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 10 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 166 | 55 | 0 | 12 | 0 | 0 | 2 | 280 | |
| 219 | 144 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 24 | 0 | 0 | 0 | 0 | 18 | 193 | |
| 220 | 40 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 33 | 0 | 0 | 0 | 0 | 57 | 172 | |
| 221 | 4 | 18 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 23 | 0 | 0 | 7 | 61 | |
| 222 | 25 | 408 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 | 9 | 0 | 0 | 0 | 0 | 26 | 483 | |
| 223 | 129 | 14 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 36 | 190 | |
| 224 | 15 | 60 | 5 | 0 | 0 | 1 | 2 | 418 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 20 | 2 | 0 | 36 | 0 | 0 | 11 | 580 | |
| 225 | 7 | 14 | 10 | 3 | 0 | 0 | 0 | 446 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 483 | |
| 226 | 36 | 3 | 14 | 7 | 6 | 482 | 0 | 630 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 13 | 0 | 0 | 52 | 1252 | |
| 227 | 0 | 3 | 0 | 0 | 1 | 5 | 0 | 336 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 9 | 0 | 0 | 7 | 379 | |

NOAA FISHERIES-NEFSC SPRING BOTTOM TRAWL SURVEY
2008 CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

| | ATLANTIC COD | HADDOCK | POLLOCK | WHITE HAKE | SILVER HAKE | REDFISH | GOOSEFISH | SPINY DOGFISH | YELLOWTAIL FLOUNDER | WINTER FLOUNDER | AMERICAN PLAICE | WITCH FFLOUNDER | WINDOWPANE FLDR | SUMMER FLOUNDER | SCUP | BLACK SEA BASS | ATLANTIC HERRING | ATLANTIC MACKEREL | WINTER SKATE | LITTLE SKATE | BUTTERFISH | AMERICAN LOBSTER | LOLIGO | ILLEX | TOTAL * OTHER | TOTAL ALL |
|-----|--------------|---------|---------|------------|-------------|---------|-----------|---------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|----------------|------------------|-------------------|--------------|--------------|------------|------------------|--------|-------|------------------|--------------|
| 228 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 10 | 0 | 0 | 66 | 170 |
| 229 | 0 | 0 | 0 | 19 | 1 | 12 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 26 | 0 | 0 | 677 | 766 |
| 230 | 59 | 3 | 15 | 2 | 1 | 0 | 0 | 62 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 32 | 0 | 0 | 34 | 227 |
| 231 | 107 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 738 | 15 | 0 | 21 | 0 | 0 | 42 | 948 |
| 232 | 37 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 205 | 64 | 0 | 21 | 0 | 0 | 13 | 367 |
| 233 | 36 | 223 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 300 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 52 | 670 |
| 234 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 285 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 15 | 124 | 0 | 2 | 0 | 0 | 52 | 506 |
| 235 | 15 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 7 | 0 | 1 | 0 | 0 | 57 | 97 |
| 236 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 45 |
| 237 | 3 | 23 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 2 | 0 | 0 | 39 | 84 |
| 238 | 2 | 137 | 0 | 0 | 0 | 0 | 0 | 15 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 173 |
| 239 | 0 | 22 | 0 | 4 | 41 | 0 | 0 | 0 | 1 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 29 | 111 |
| 240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 29 |
| 241 | 24 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 76 |
| 242 | 20 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 66 | 112 |
| 243 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 20 |
| 244 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 40 | 61 |
| 245 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 | 39 | 127 |
| 246 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 6 |
| 247 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 24 | 0 | 0 | 0 | 0 | 27 | 78 |
| 248 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 12 | 31 |
| 249 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 2 | 0 | 0 | 37 | 55 |
| 250 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 20 |
| 251 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 96 | 0 | 0 | 0 | 0 | 0 | 140 |
| 252 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 28 | 0 | 3 | 0 | 0 | 2 | 50 |
| 253 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 9 |
| 254 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 8 |
| 255 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 12 | 15 |
| 256 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 |
| 257 | 3 | 116 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 14 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 168 |
| 258 | 6 | 13 | 0 | 18 | 35 | 0 | 2 | 46 | 0 | 0 | 11 | 2 | 0 | 0 | 0 | 0 | 8 | 2 | 30 | 0 | 0 | 3 | 0 | 0 | 100 | 276 |
| 259 | 16 | 3 | 0 | 0 | 1 | 3 | 0 | 16 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 58 |
| 260 | 5 | 0 | 0 | 2 | 16 | 1 | 0 | 19 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 76 |
| 261 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 24 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 13 | 50 |
| 262 | 0 | 0 | 0 | 1 | 3 | 31 | 0 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 50 |
| 263 | 8 | 5 | 0 | 0 | 16 | 107 | 0 | 66 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 22 | 227 |
| 264 | 0 | 0 | 0 | 3 | 5 | 1979 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 28 | 2044 |
| 265 | 0 | 0 | 5 | 8 | 25 | 250 | 0 | 221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 59 | 570 |

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|-----|--------------|---------|---------|------------|-------------|---------|-----------|---------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|----------------|------------------|-------------------|--------------|--------------|------------|------------------|--------|-------|----------------|--------------|
| 266 | 0 | 0 | 0 | 271 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 16 | 297 |
| 267 | 2 | 0 | 0 | 9 | 10 | 9 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 12 | 56 |
| 268 | 0 | 0 | 0 | 7 | 10 | 17 | 0 | 9 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 24 | 77 |
| 269 | 0 | 0 | 11 | 6 | 2 | 91 | 0 | 20 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 20 | 160 |
| 270 | 0 | 3 | 0 | 4 | 1 | 21 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 37 |
| 271 | 0 | 3 | 198 | 21 | 16 | 0 | 1 | 3 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 7 | 258 |
| 272 | 1 | 6 | 1 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 30 |
| 273 | 0 | 7 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 8 | 29 |
| 274 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 3 | 19 |
| 275 | 3 | 16 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 6 | 82 |
| 276 | 2 | 38 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 58 | 131 |
| 277 | 0 | 14 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 16 | 7 | 3 | 0 | 0 | 0 | 0 | 13 | 0 | 10 | 14 | 0 | 16 | 0 | 0 | 20 | 114 |
| 278 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 8 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 23 | 0 | 70 | 0 | 0 | 18 | 178 |
| 279 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 5 | 19 |
| 280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 71 | 144 |
| 281 | 1 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 6 | 56 |
| 282 | 0 | 0 | 0 | 2 | 1 | 21 | 0 | 0 | 0 | 11 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 23 | 71 |
| 283 | 0 | 0 | 0 | 6 | 0 | 2 | 0 | 6 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 7 | 50 |
| 284 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 10 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 58 | 97 |
| 285 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 38 | 79 |
| 286 | 0 | 0 | 0 | 7 | 4 | 77 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 8 | 105 |
| 287 | 0 | 4 | 0 | 10 | 1 | 2 | 0 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 20 | 62 |
| 288 | 0 | 0 | 0 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 44 |
| 289 | 0 | 0 | 0 | 3 | 2 | 1 | 2 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 12 | 33 |
| 290 | 0 | 0 | 1 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 16 | 0 | 0 | 53 | 86 |
| 291 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 13 | 36 |
| 292 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 55 | 0 | 0 | 19 | 84 |
| 293 | 0 | 2 | 0 | 0 | 23 | 0 | 2 | 0 | 0 | 0 | 7 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 38 | 90 |
| 294 | 0 | 0 | 0 | 0 | 10 | 3 | 0 | 10 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 45 | 78 |
| 295 | 11 | 0 | 0 | 4 | 2 | 4 | 12 | 0 | 0 | 0 | 9 | 38 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 38 | 136 |
| 296 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 12 | 9 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 32 | 67 |
| 297 | 5 | 7 | 31 | 5 | 4 | 765 | 22 | 0 | 0 | 0 | 8 | 12 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 886 |
| 298 | 0 | 4 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 11 | 40 |
| 299 | 11 | 6 | 46 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 92 |
| 300 | 0 | 0 | 11 | 2 | 7 | 1 | 42 | 37 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 115 |
| 301 | 0 | 3 | 51 | 87 | 7 | 667 | 4 | 20 | 0 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 31 | 883 |
| 302 | 0 | 0 | 13 | 7 | 5 | 4 | 8 | 175 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 232 |
| 303 | 0 | 0 | 177 | 1 | 10 | 1 | 9 | 294 | 0 | 0 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 27 | 538 |

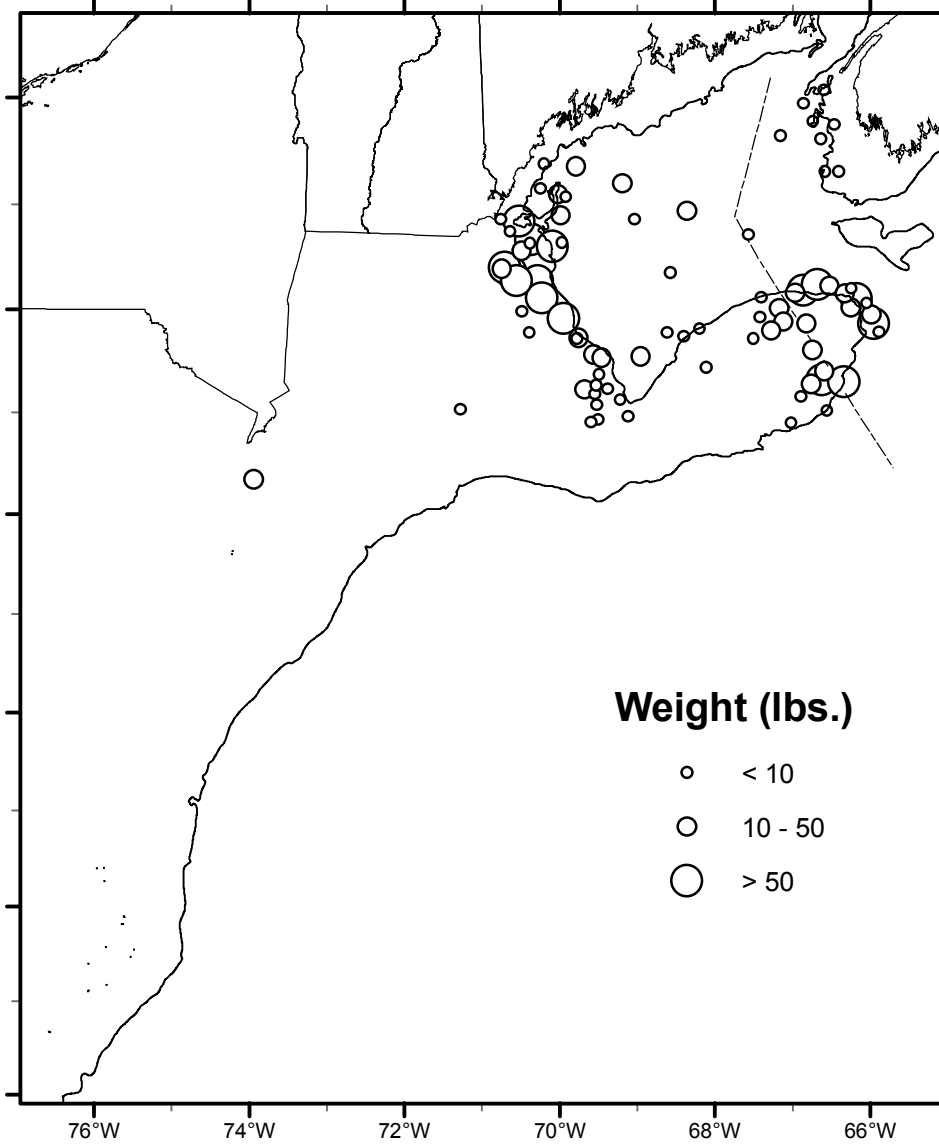
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| | ATLANTIC COD | HADDOCK | POLLOCK | WHITE HAKE | SILVER HAKE | REDFISH | GOOSEFISH | SPINY DOGFISH | YELLOWTAIL FLOUNDER | WINTER FLOUNDER | AMERICAN PLAICE | WITCH FFLOUNDER | WINDOWPANE FLDR | SUMMER FLOUNDER | SCUP | BLACK SEA BASS | ATLANTIC HERRING | ATLANTIC MACKEREL | WINTER SKATE | LITTLE SKATE | BUTTERFISH | AMERICAN LOBSTER | LOLIGO | ILLEX | TOTAL OTHER * | TOTAL ALL |
|-------|--------------|---------|---------|------------|-------------|---------|-----------|---------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|----------------|------------------|-------------------|--------------|--------------|------------|------------------|--------|-------|------------------|--------------|
| 342 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 51 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 0 | 1 | 0 | 0 | 5 | 80 |
| 343 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 33 | 0 | 0 | 0 | 0 | 6 | 50 |
| 344 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 82 |
| TOTAL | 3634 | 7601 | 1508 | 725 | 935 | 5481 | 400 | 60885 | 1013 | 1703 | 639 | 191 | 220 | 358 | 309 | 26 | 1313 | 3761 | 4632 | 12117 | 771 | 1257 | 834 | 10 | 15012 | 125335 |

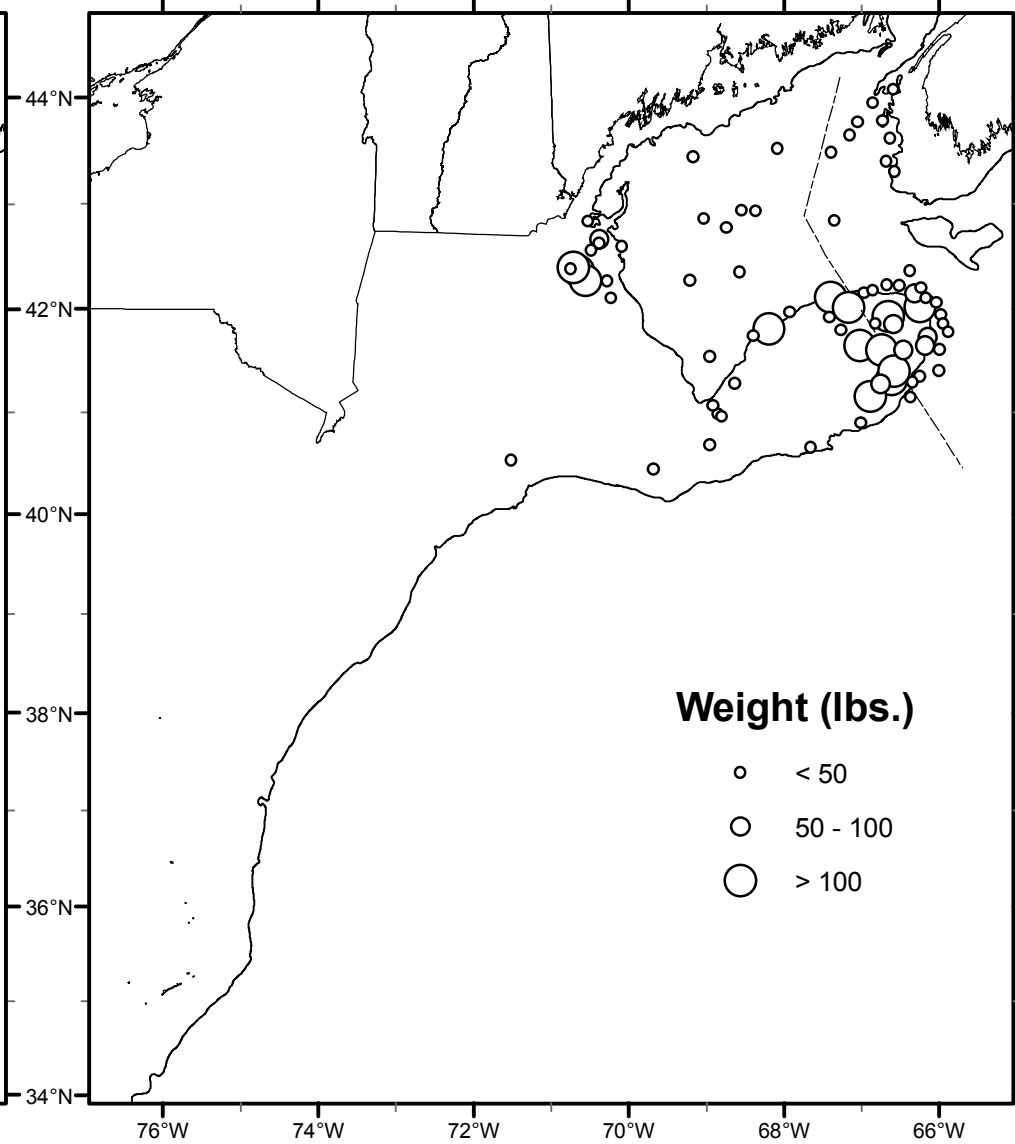
* "Total other" in southern areas are comprised primarily of rays, large sharks and spotted hake.

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ATLANTIC COD

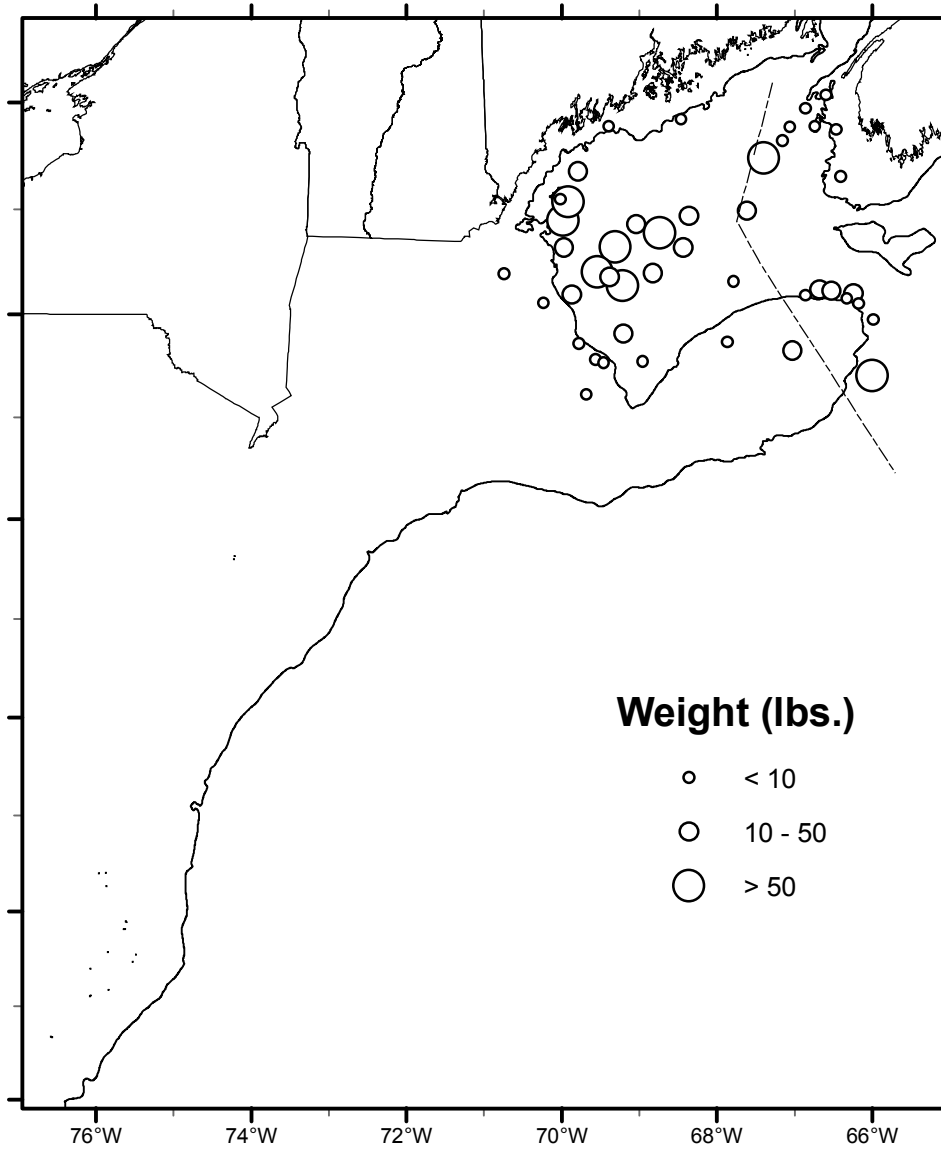


HADDOCK

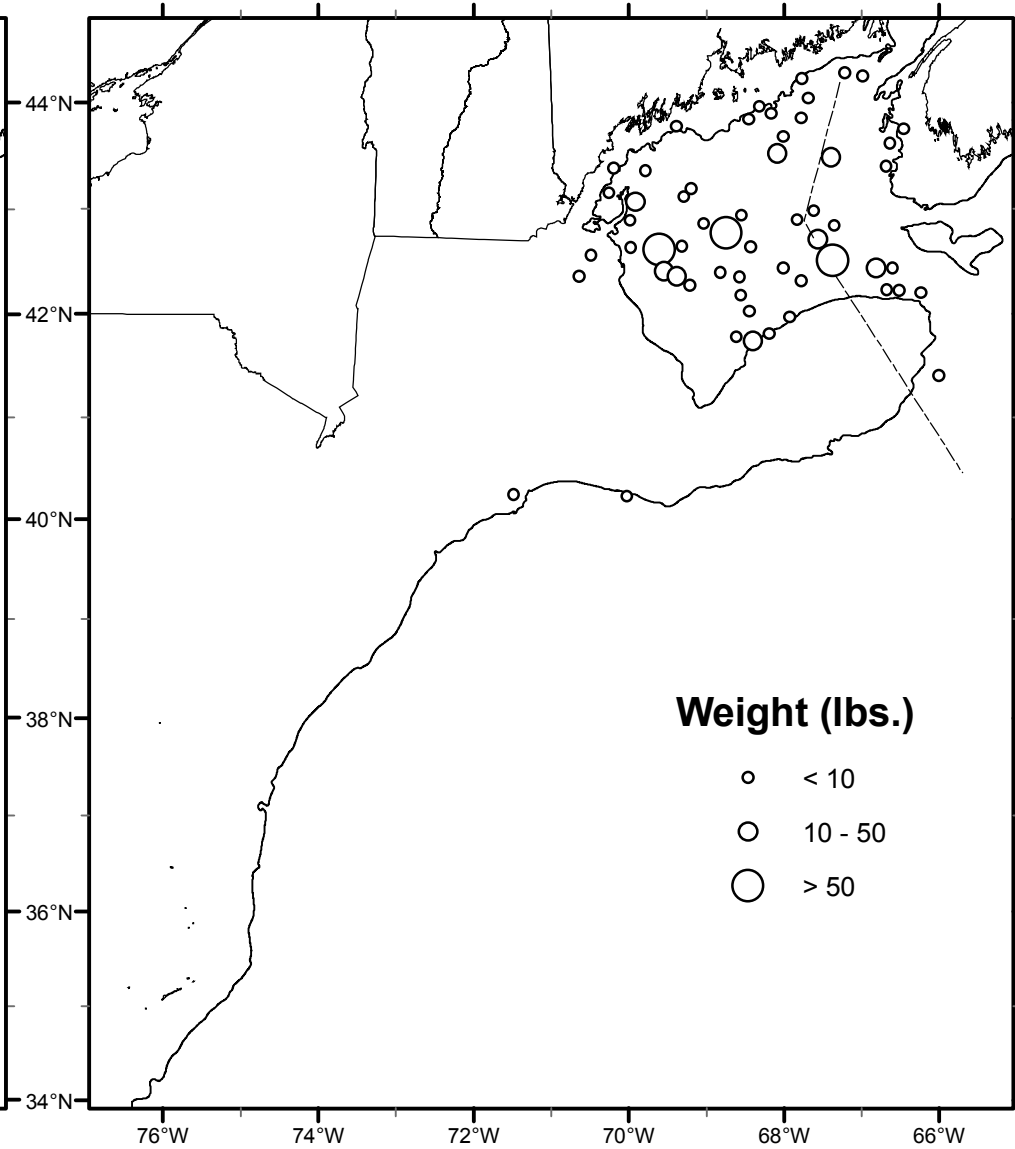


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POLLOCK

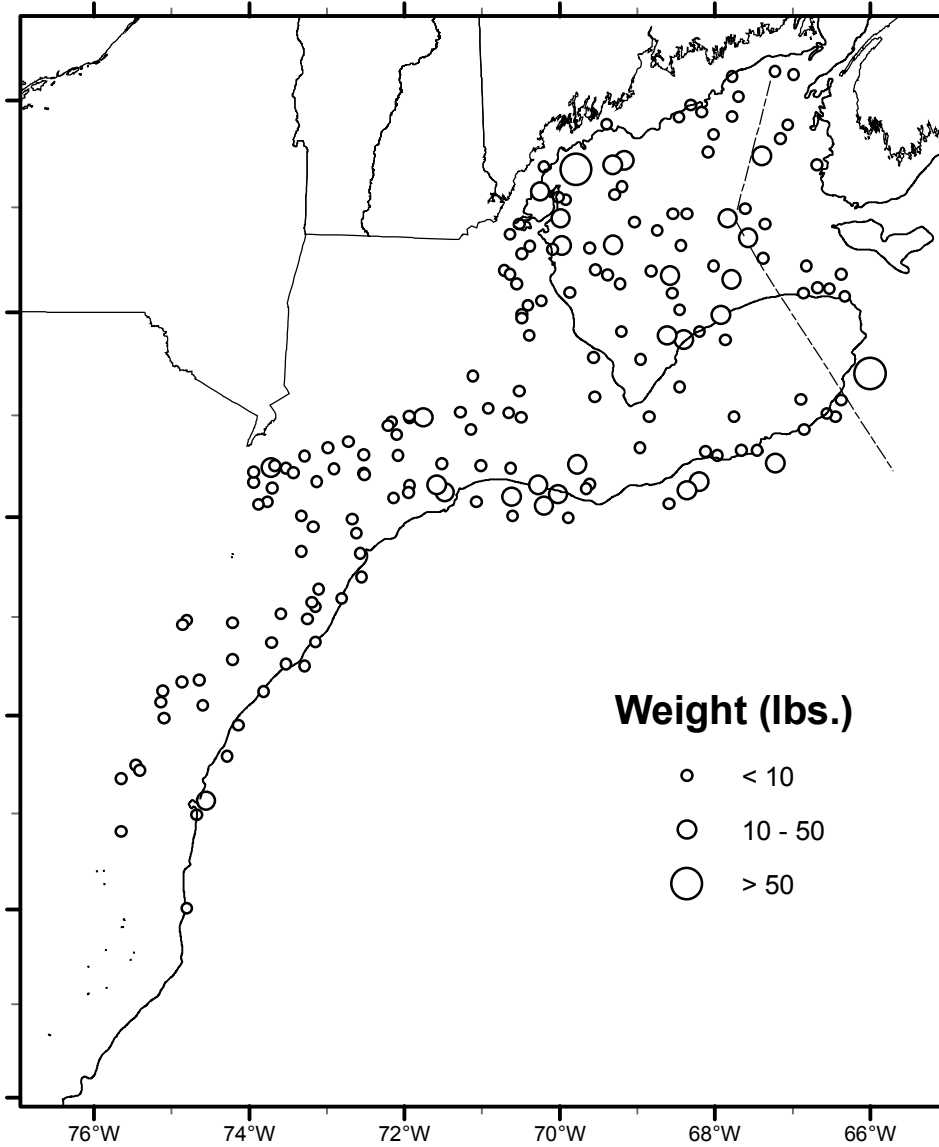


WHITE HAKE

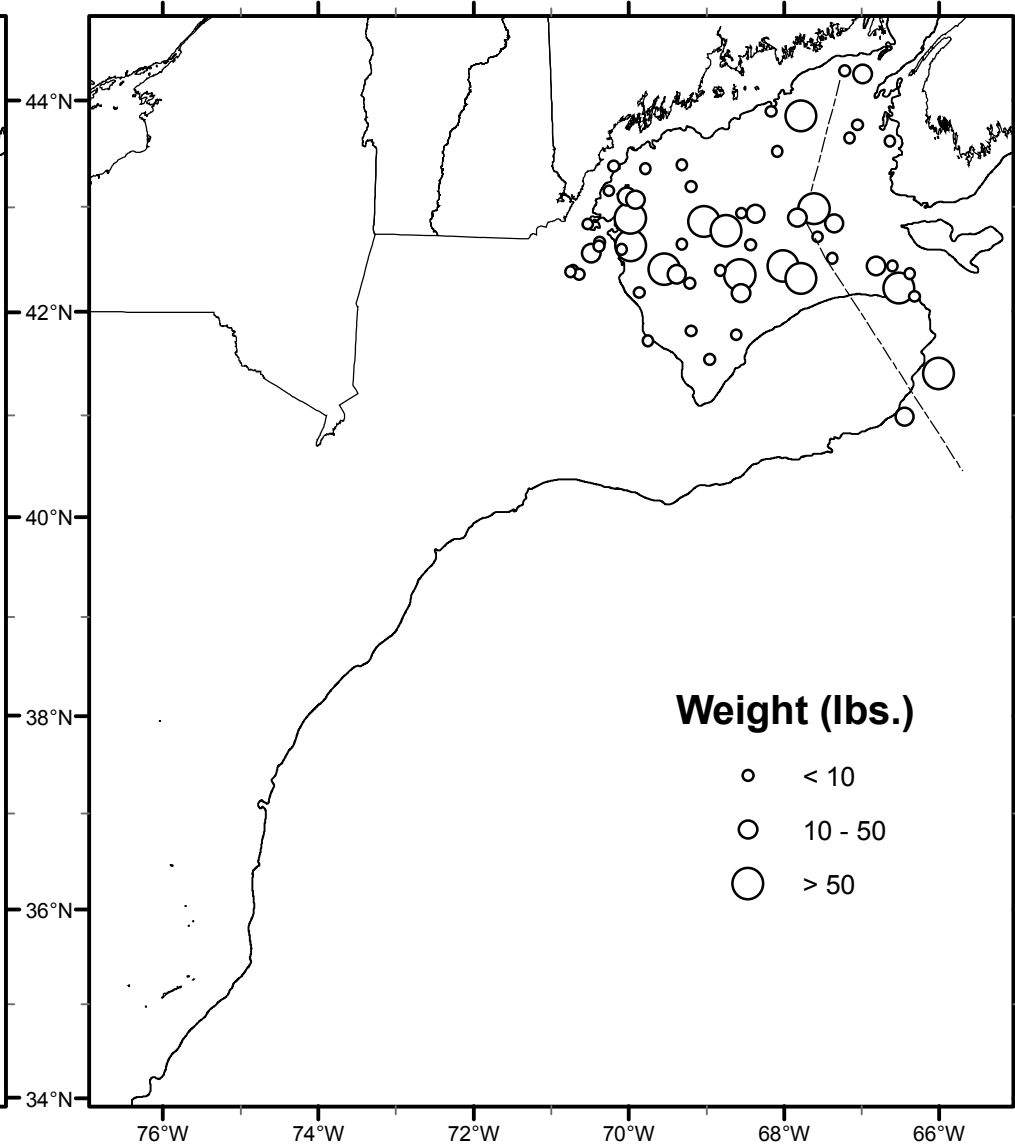


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SILVER HAKE

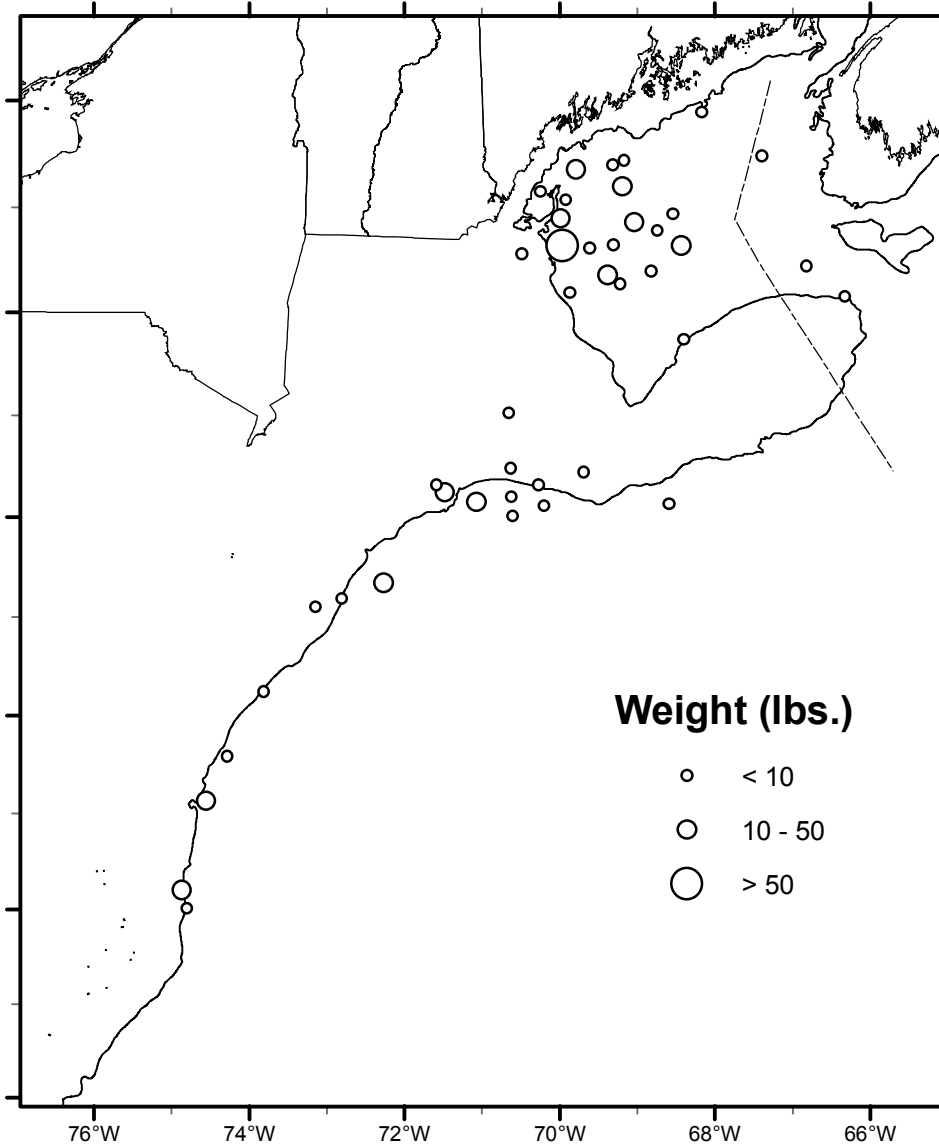


ACADIAN REDFISH

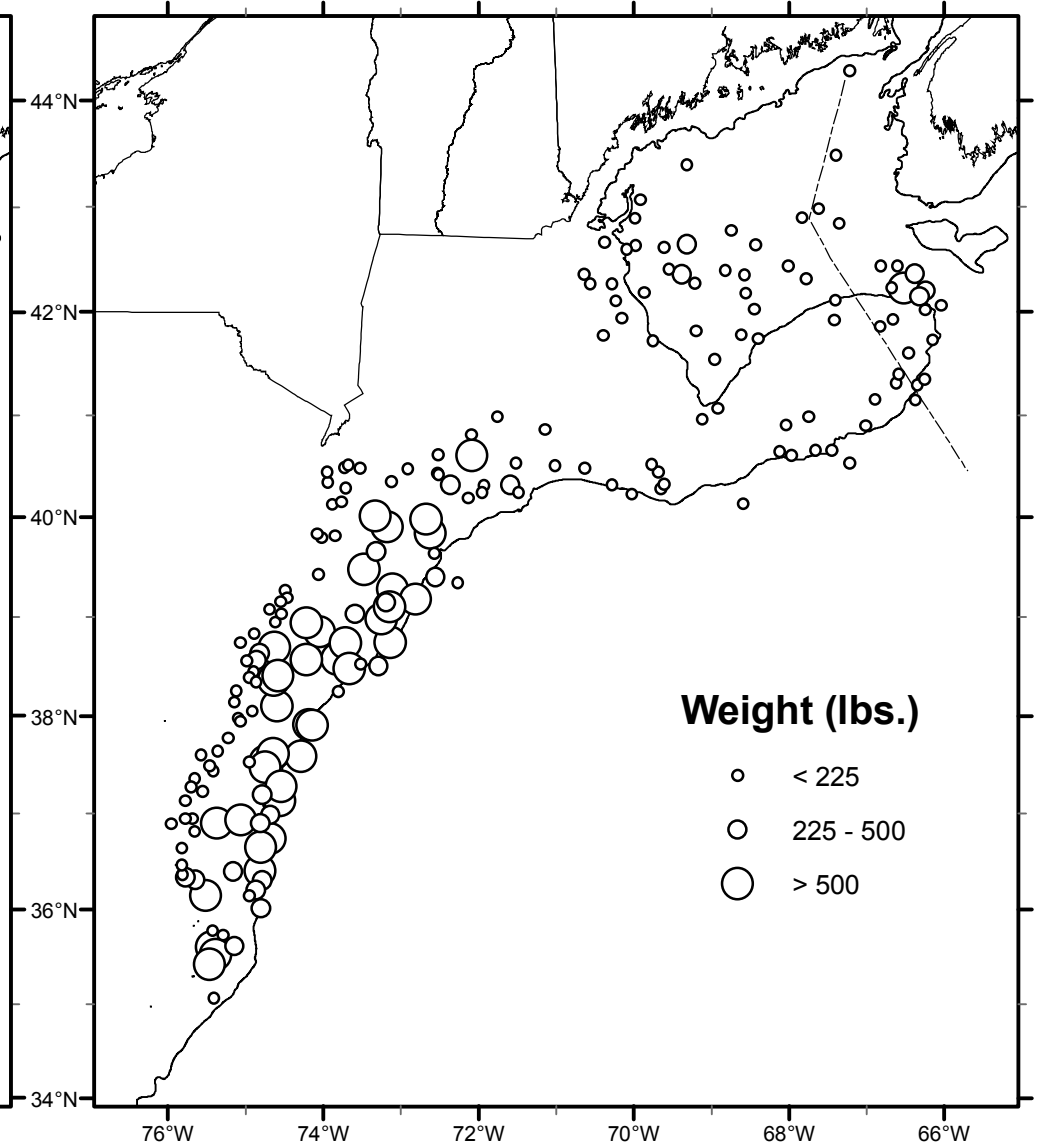


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GOOSEFISH

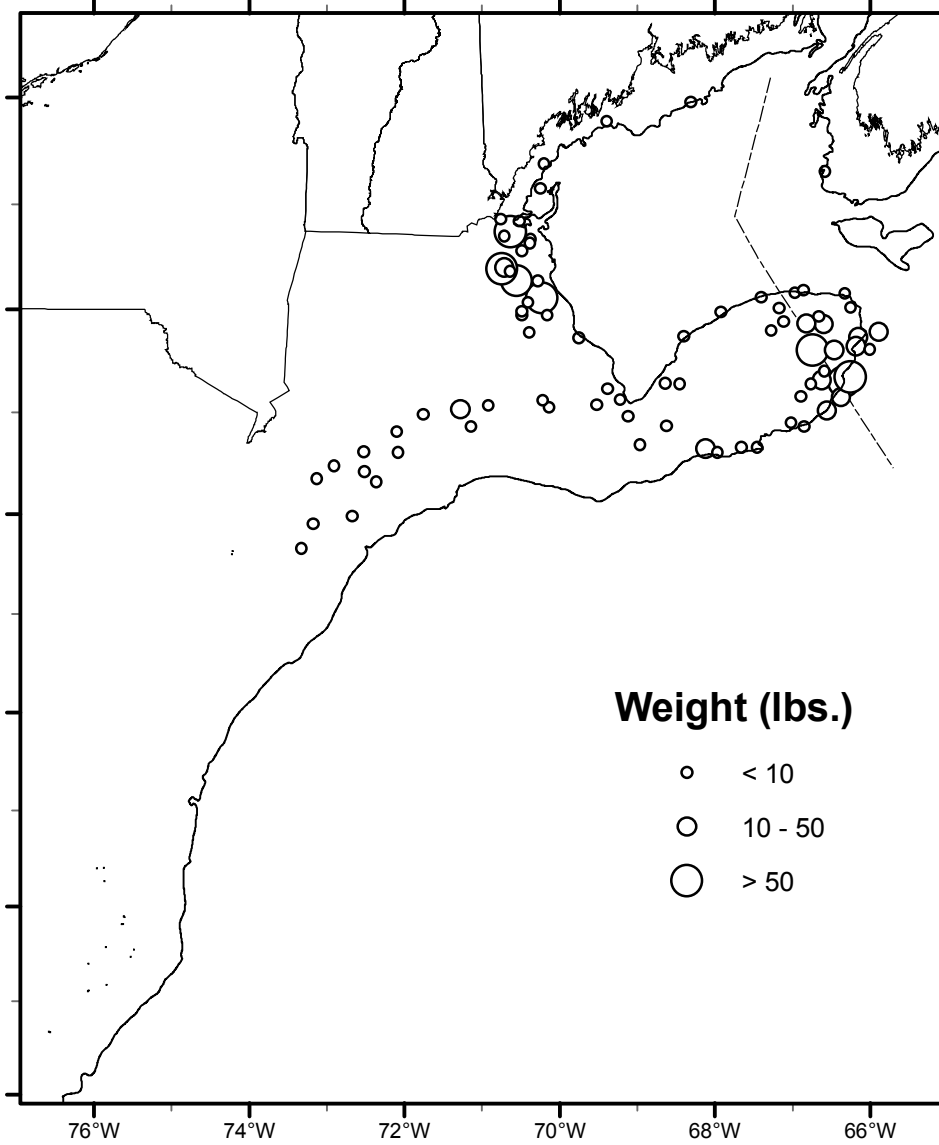


SPINY DOGFISH

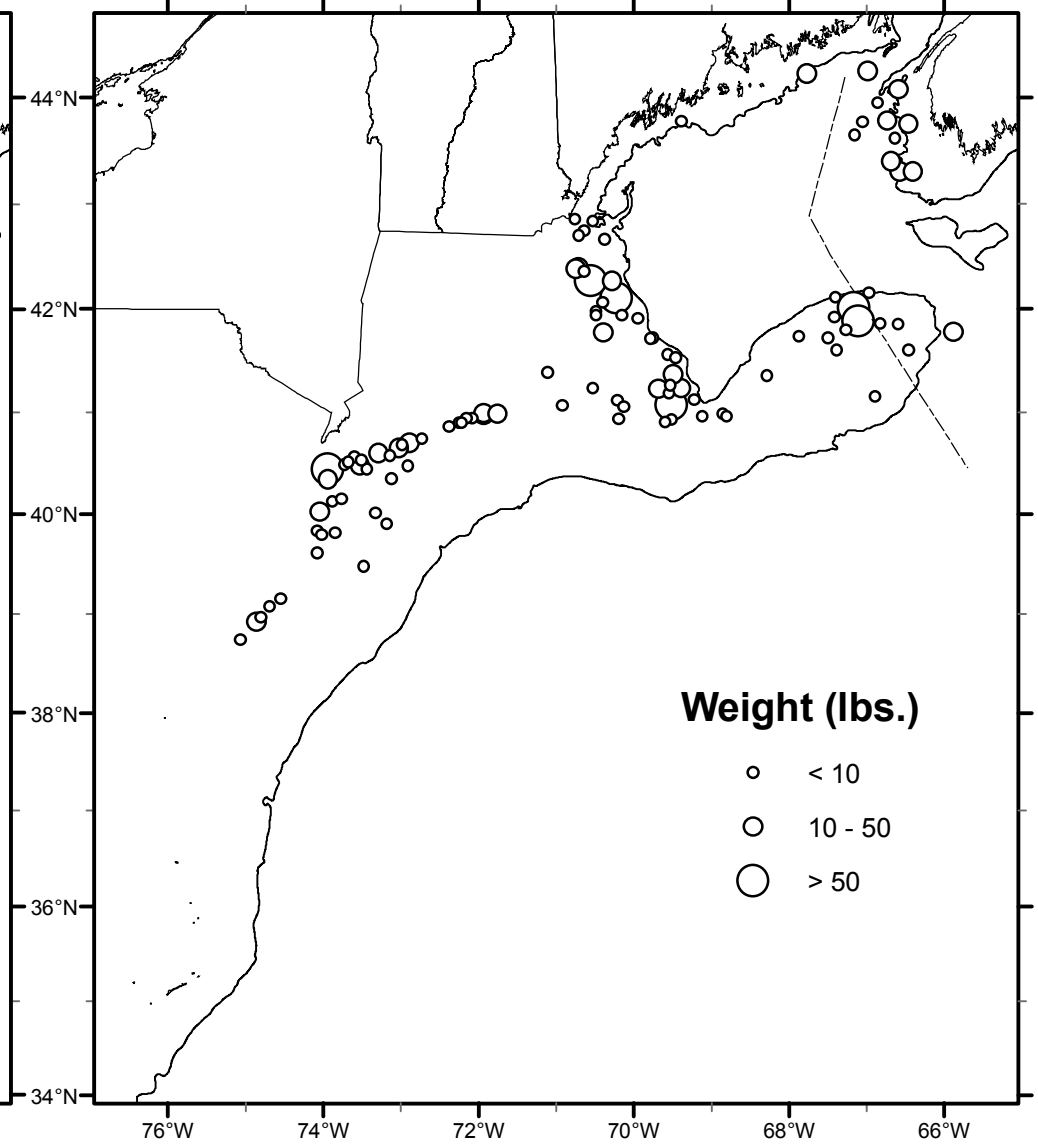


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YELLOWTAIL FLOUNDER

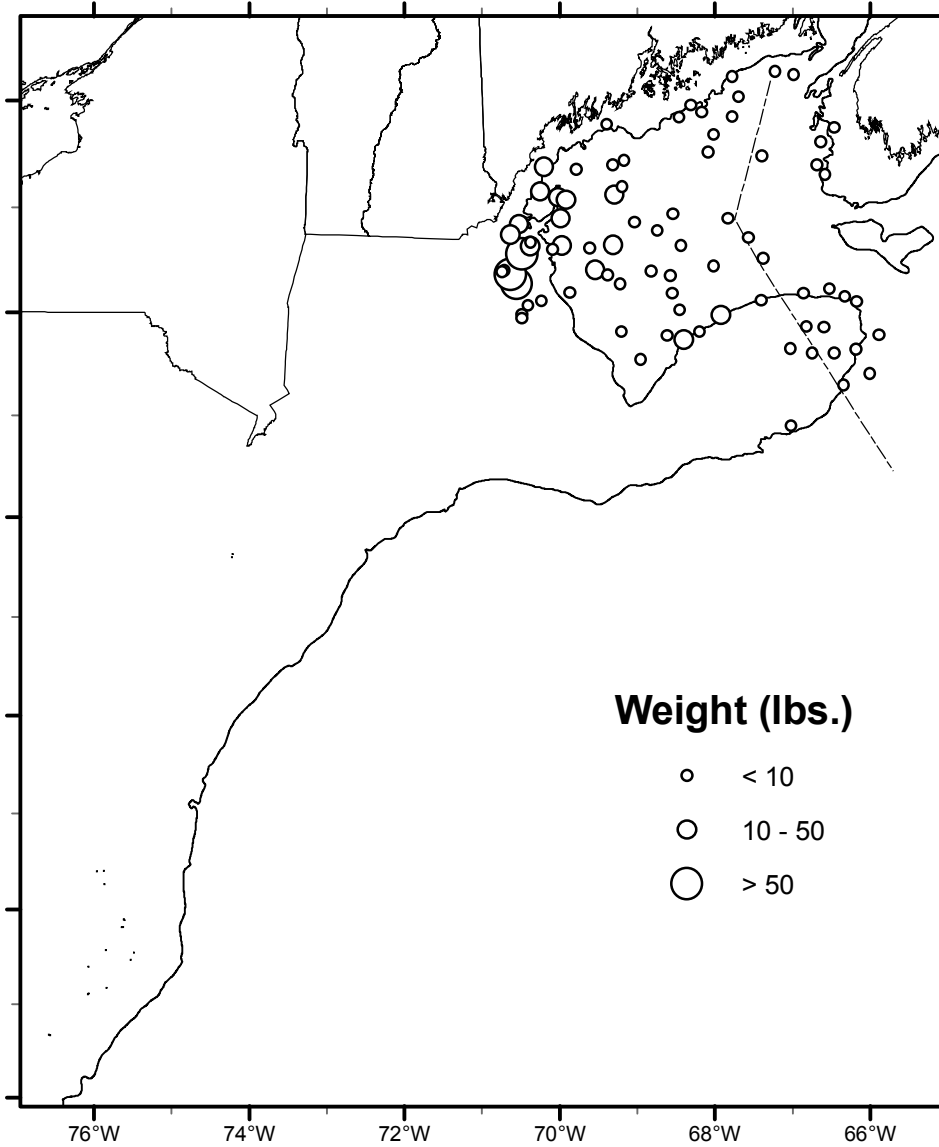


WINTER FLOUNDER

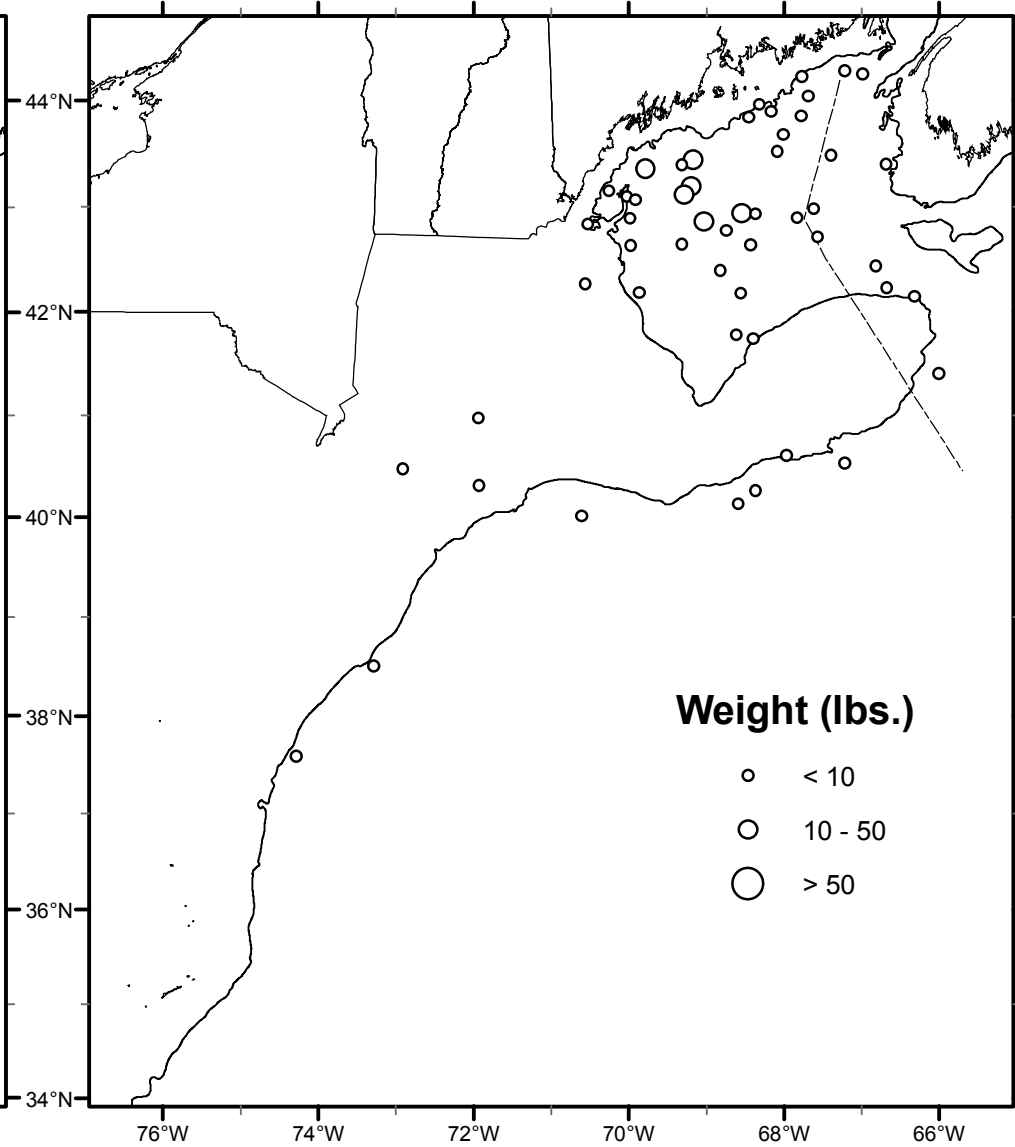


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AMERICAN PLAICE

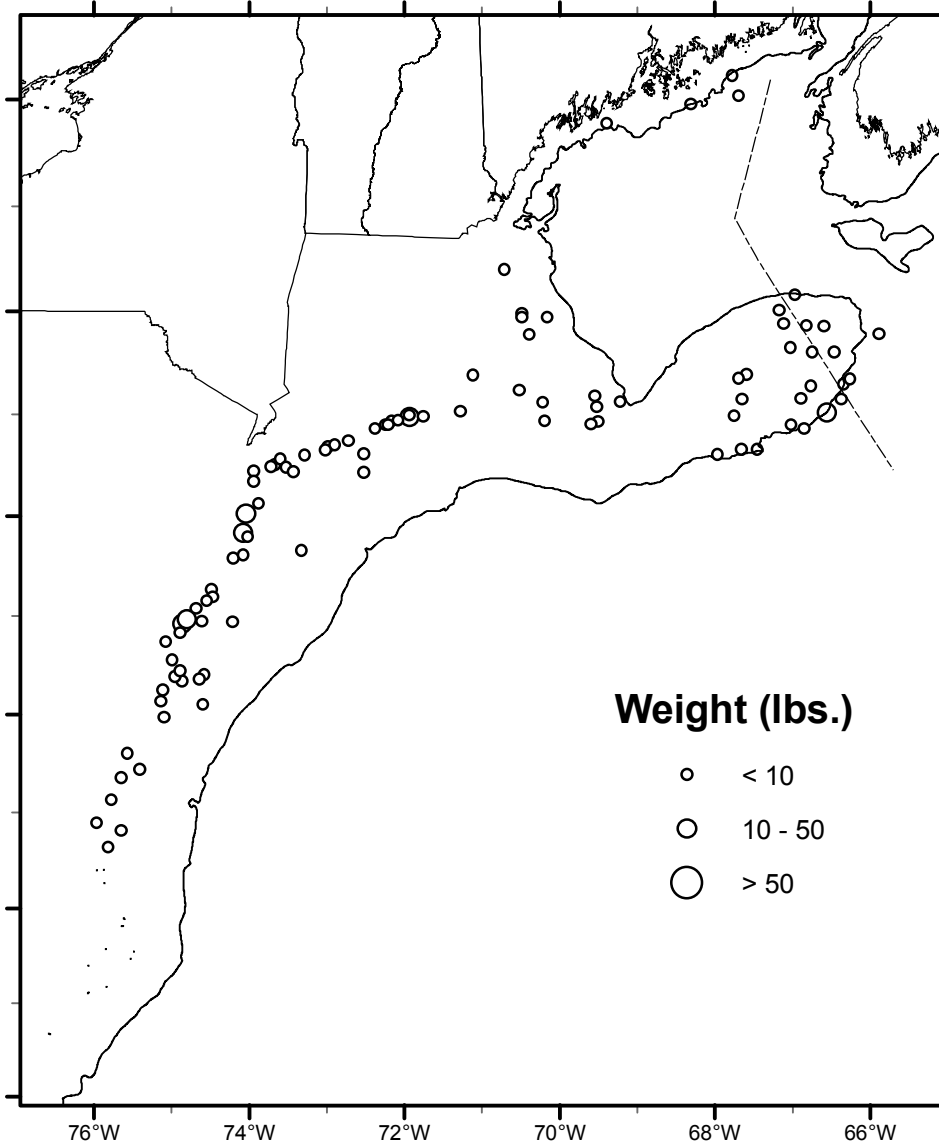


WITCH FLOUNDER

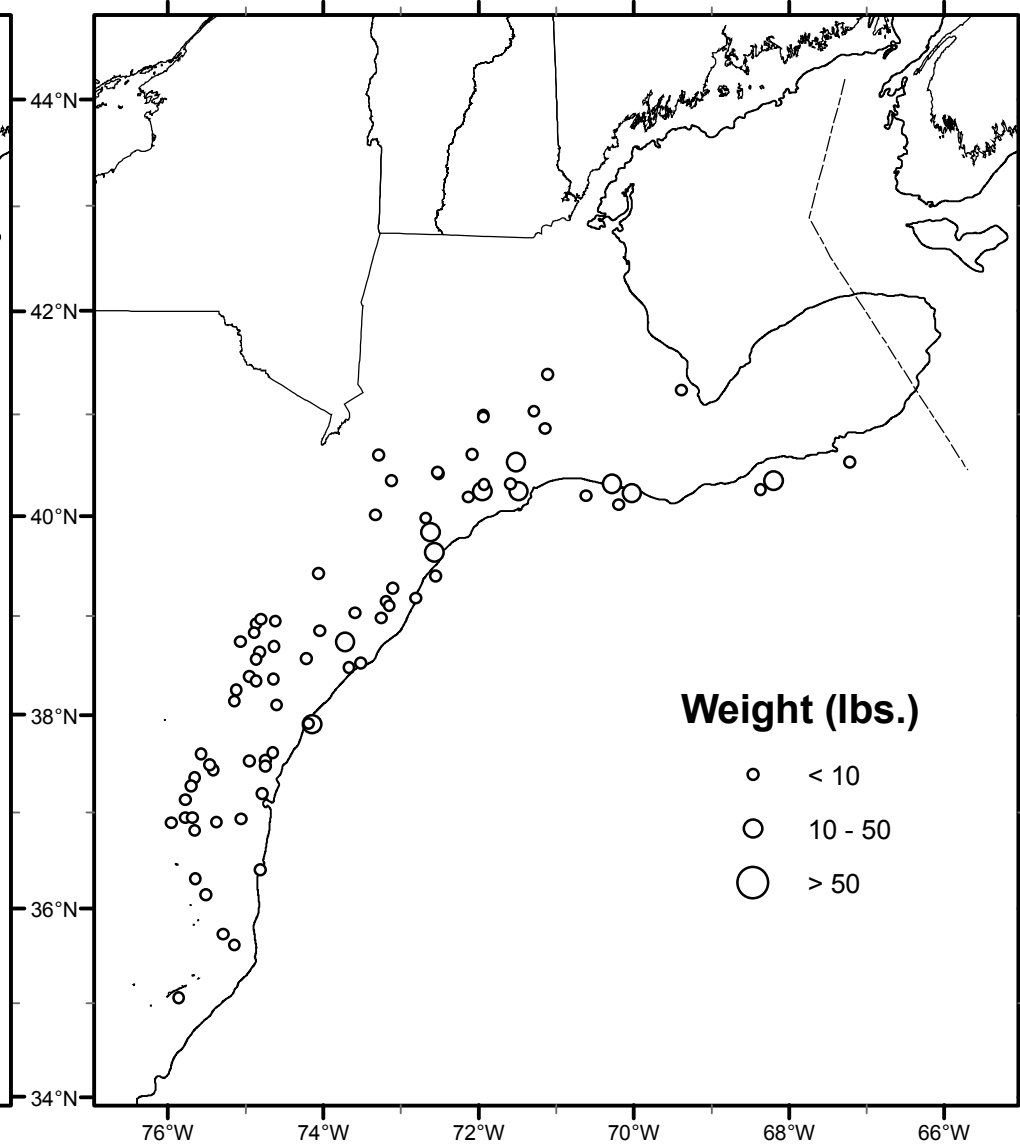


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WINDOWPANE

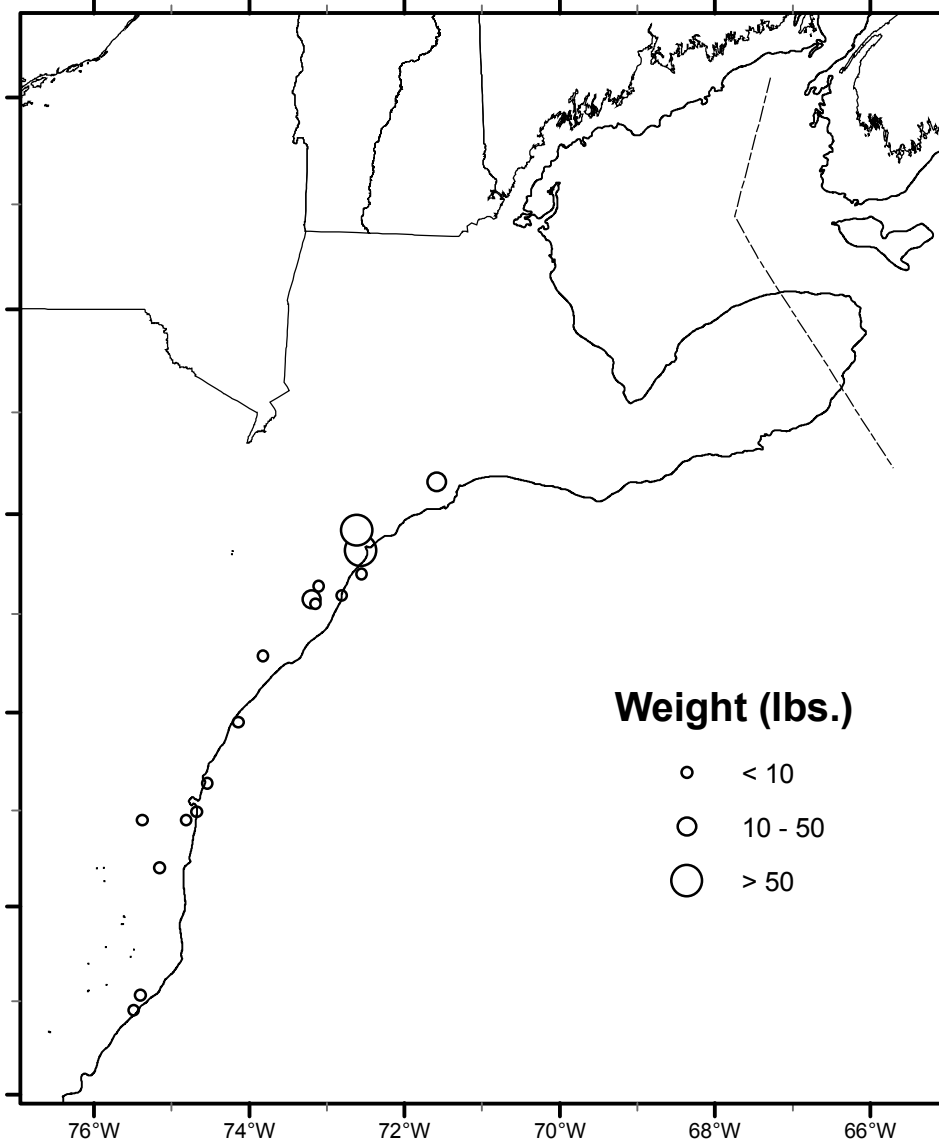


SUMMER FLOUNDER

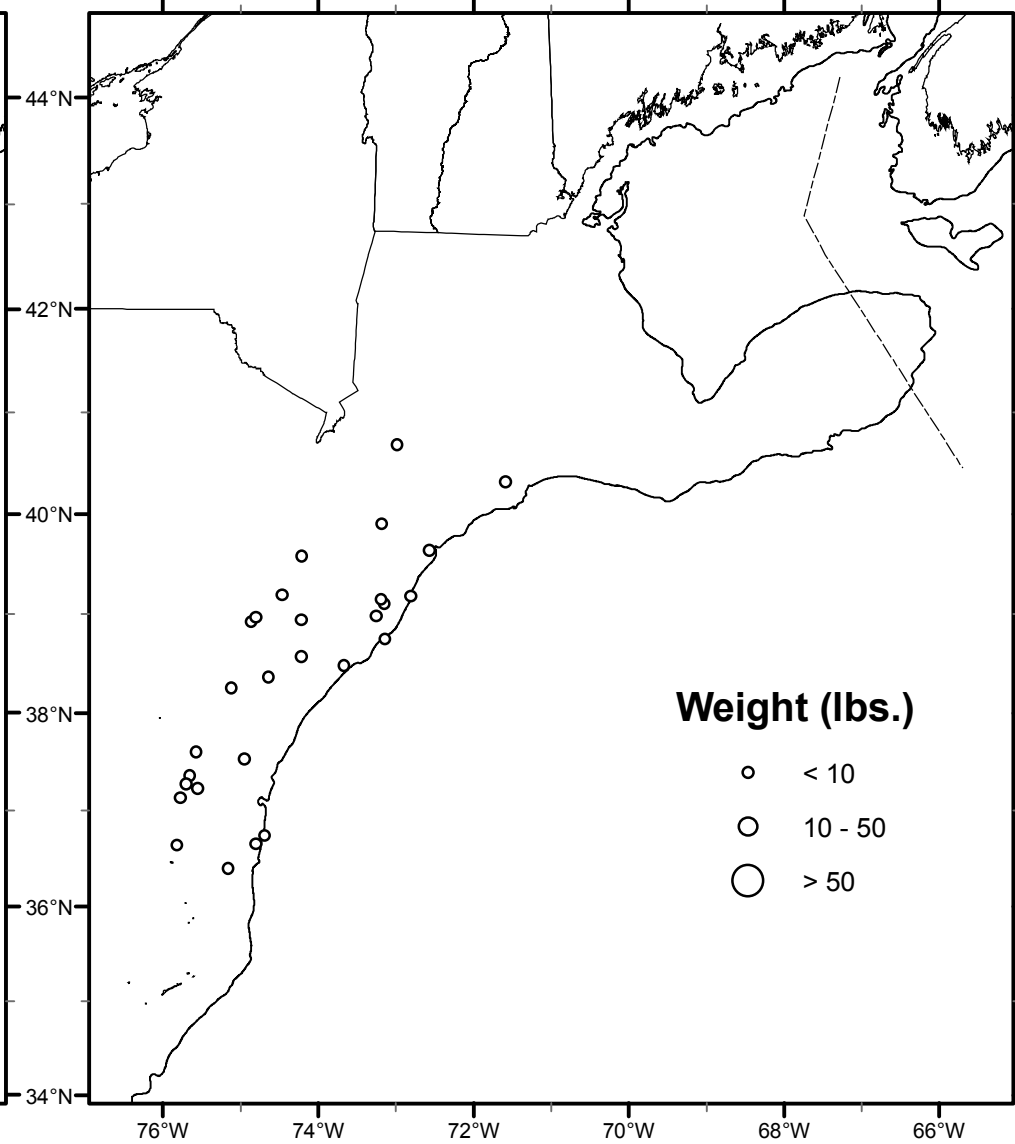


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SCUP

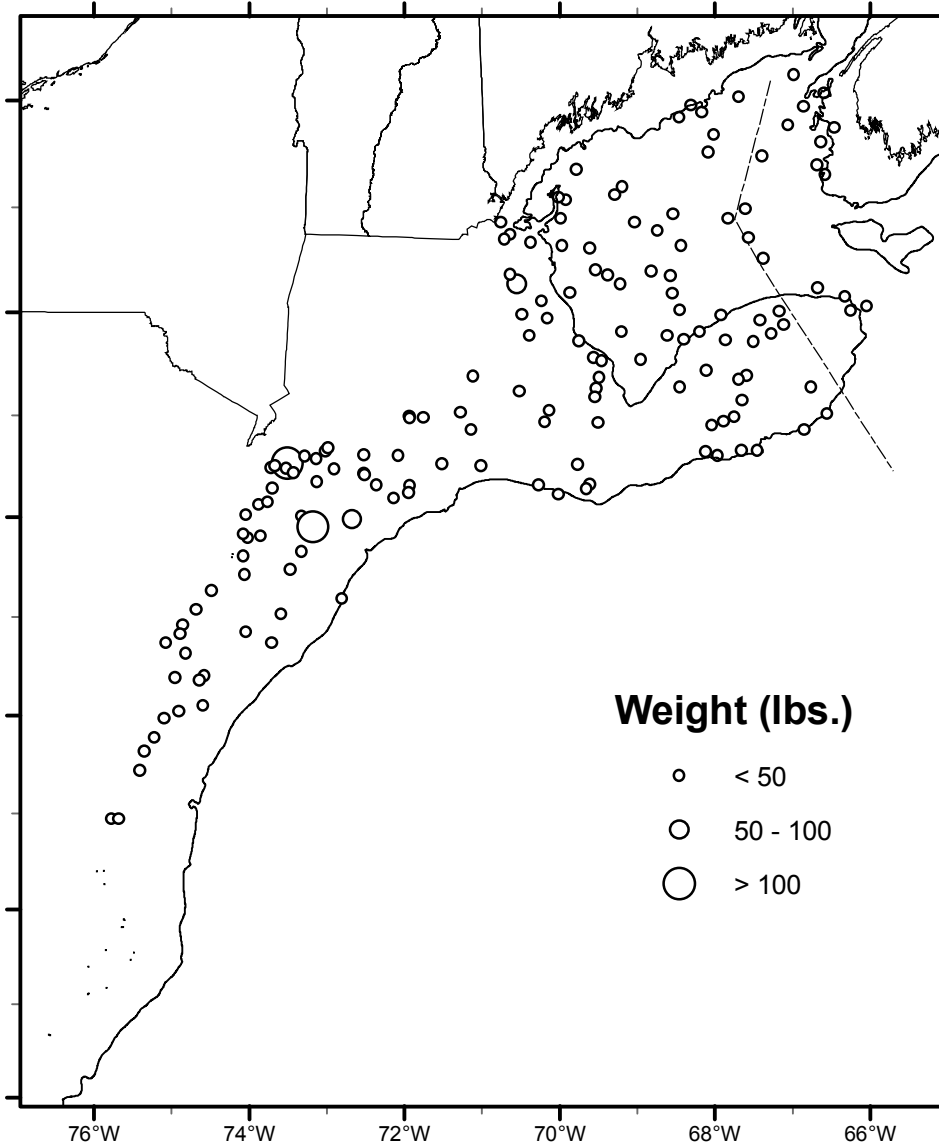


BLACK SEA BASS

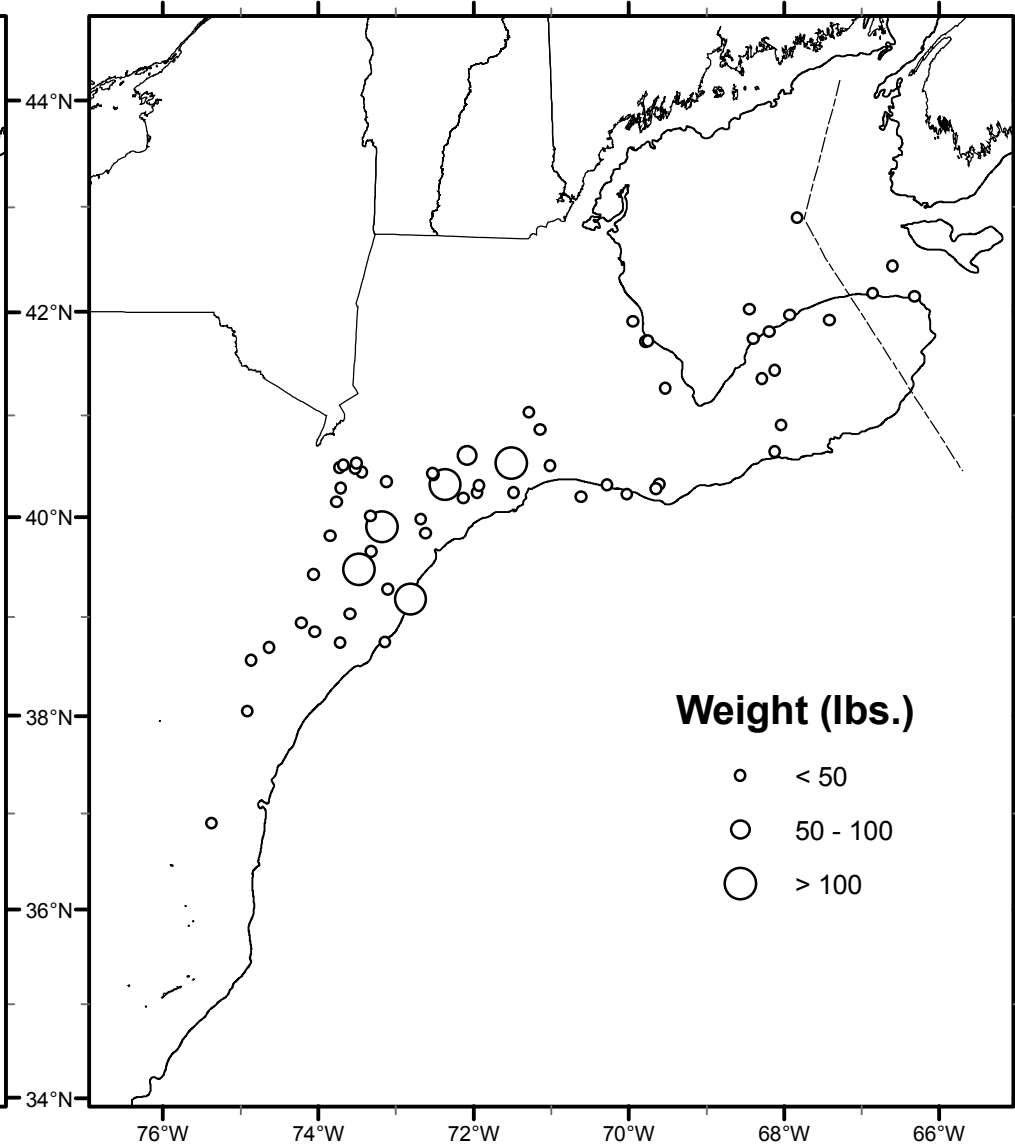


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ATLANTIC HERRING

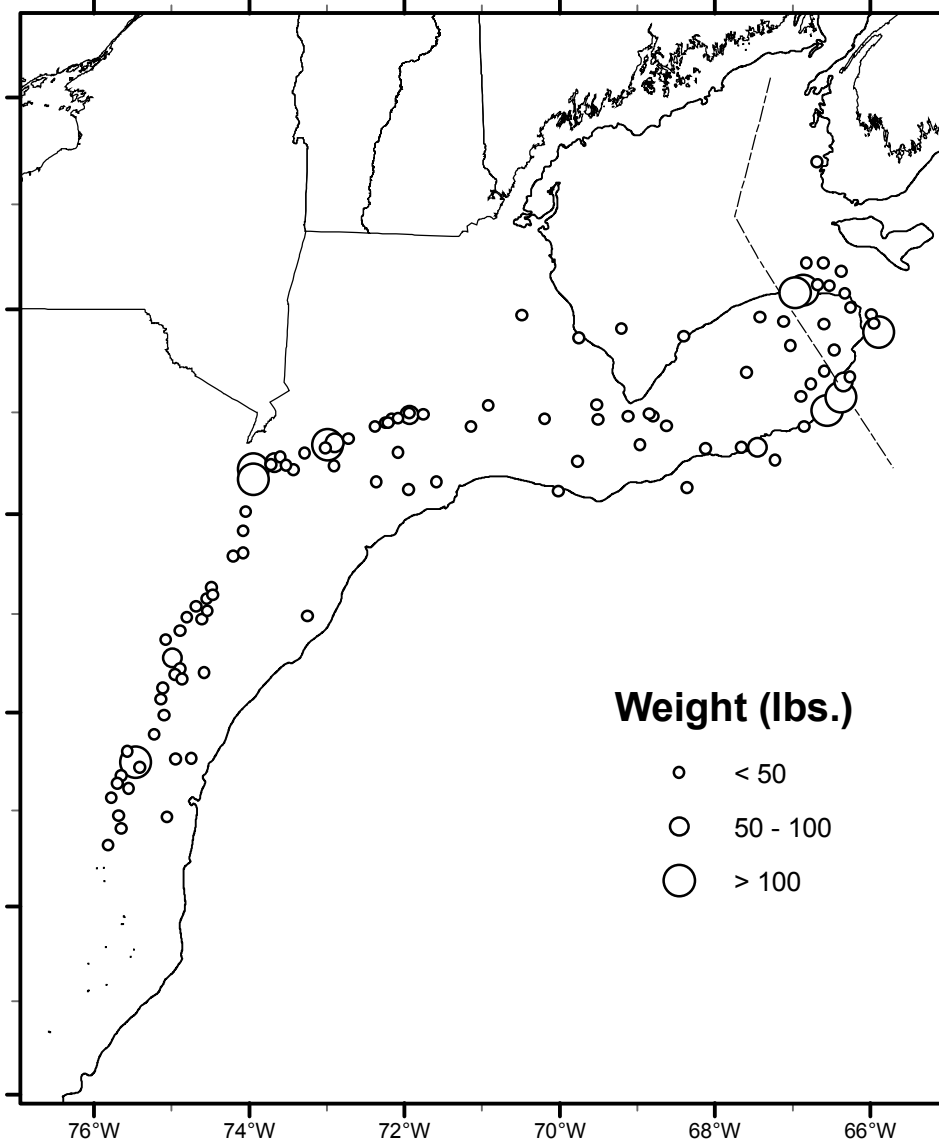


ATLANTIC MACKEREL

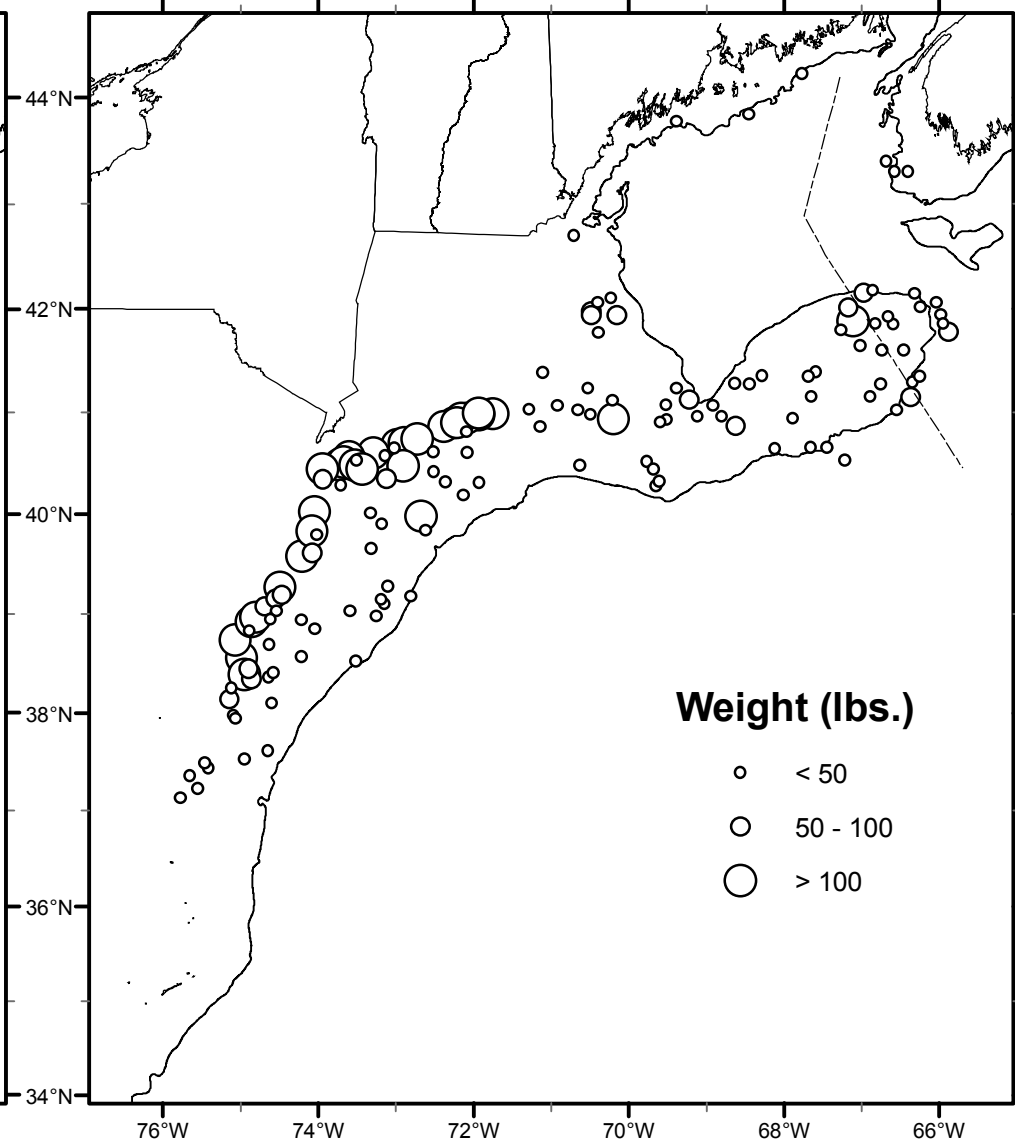


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WINTER SKATE

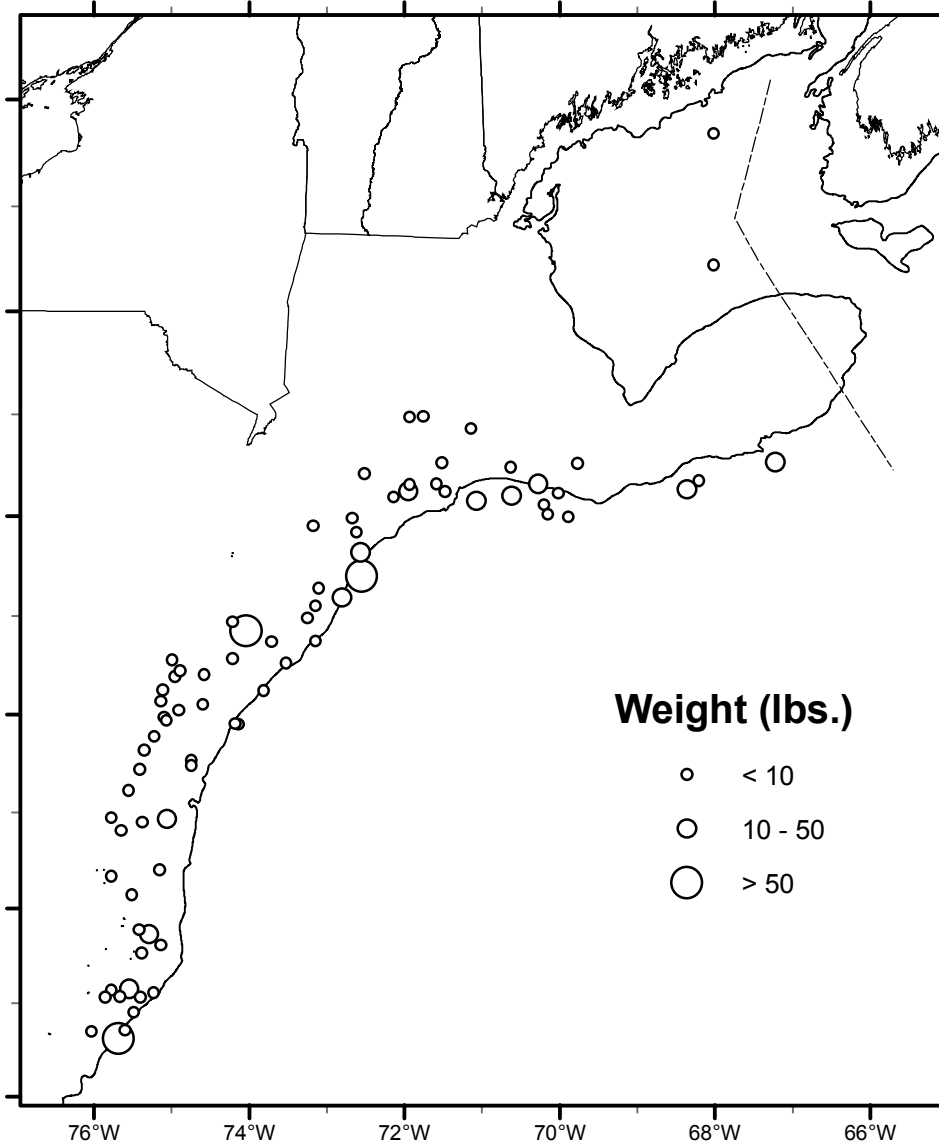


LITTLE SKATE

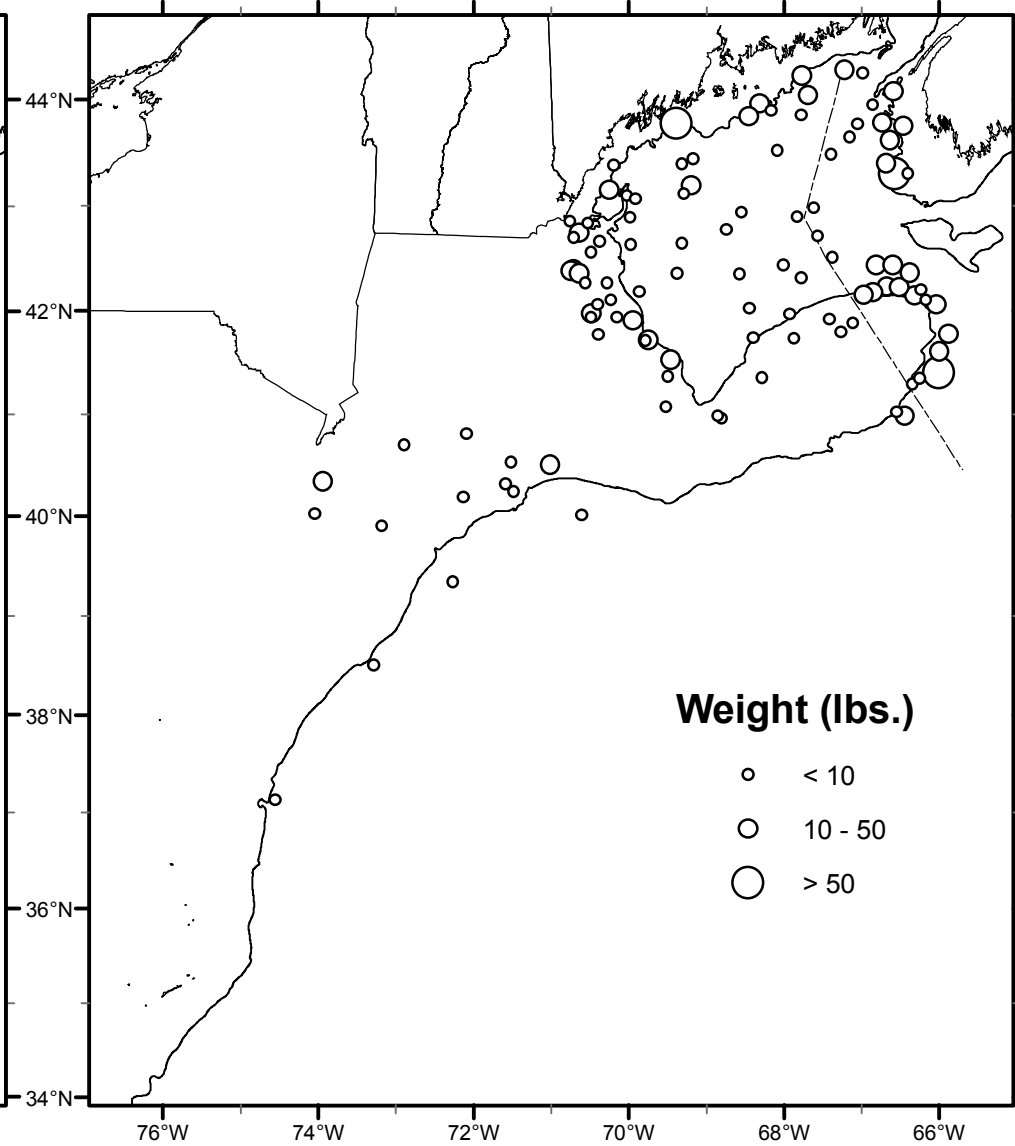


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BUTTERFISH

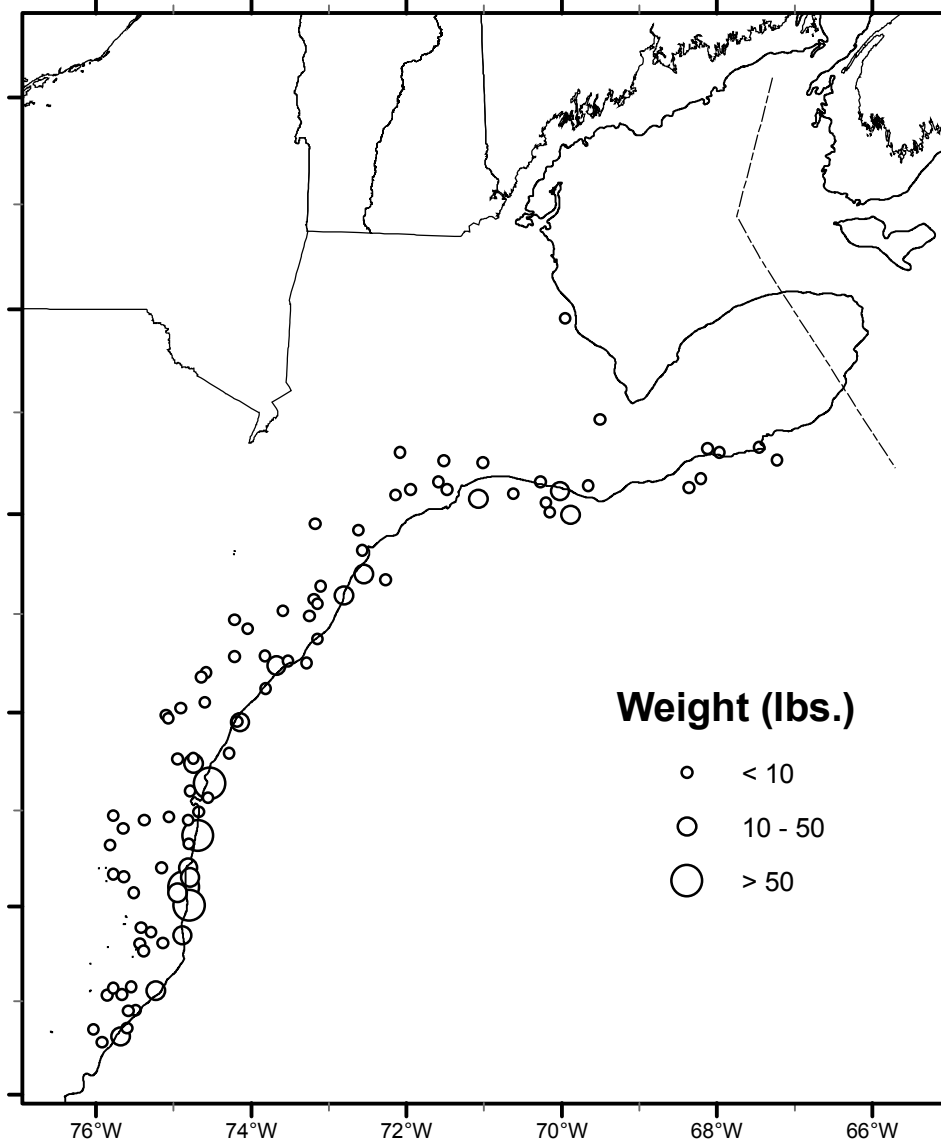


AMERICAN LOBSTER

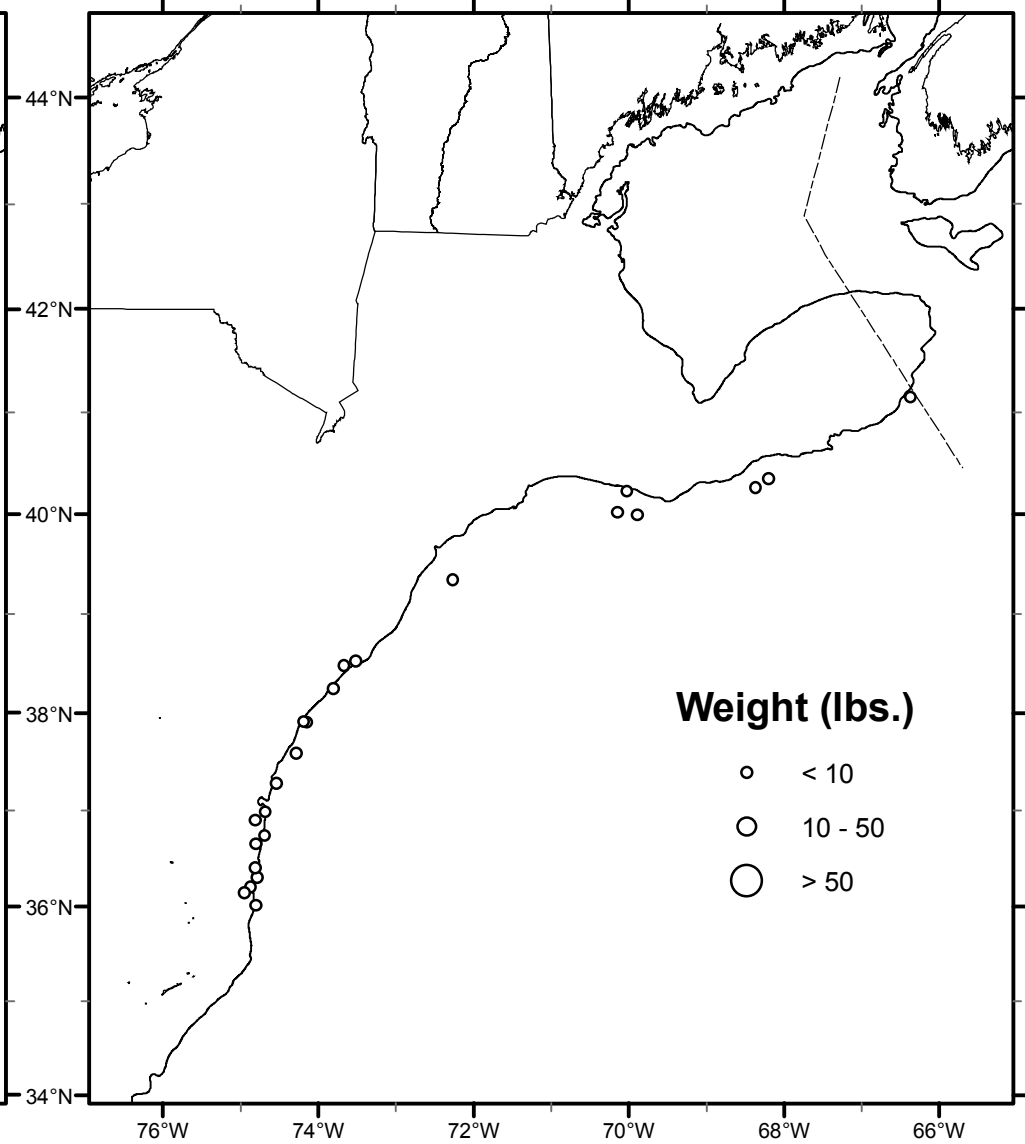


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LOLIGO



ILLEX



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NOAA FISHERIES SERVICE
NORTHEAST FISHERIES SCIENCE CENTER
166 WATER STREET
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FIRST CLASS