RESOURCE SURVEY REPORT
Catch Summary
NOAA Fisheries Service
Northeast Fisheries Science Center
Autumn Bottom Trawl Survey
Cape Hatteras -Gulf of Maine
8 September – 10 November 2016

Submitted to: NOAA, NEFSC

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Date: 2016

Resource Survey Report

Bottom Trawl Survey

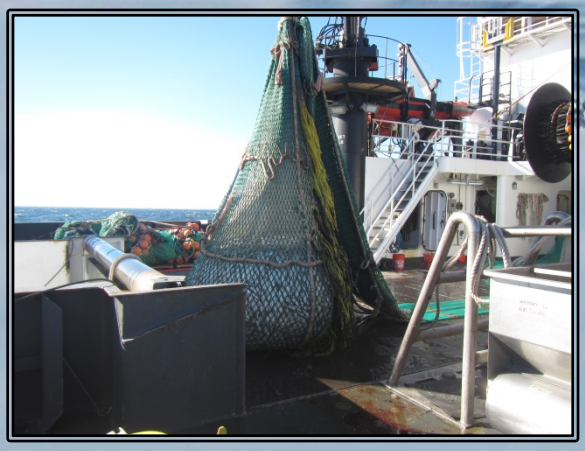
Cape Hatteras – Gulf of Maine

8 September – 10 November 2016

NOAA Ship *Henry B. Bigelow* (FSV 225)

NOAA Fisheries Service
Northeast Fisheries Science Center
Woods Hole, MA 02543

Baskets lined up in the fish lab, waiting to be processed



A large catch is brought onto the back deck of the *Bigelow*

Assorted groundfish caught in the Gulf of Maine

Significant Changes to the NEFSC Bottom Trawl Survey

Many significant changes in survey methodology were implemented, beginning with the 2009 Spring Multispecies Bottom Trawl Survey, that have significant implications for the use of these data. Prior to 2009, multispecies bottom trawl surveys were conducted primarily on the NOAA Ship *Albatross IV* and occasionally on the NOAA Ship *Delaware II*. The 2009 survey was conducted using the NOAA Ship *Henry B. Bigelow*, which is equipped with an autotrawl system that balances warp tensions throughout the duration of survey tows.

The bottom trawl system used for sampling has also been changed. Prior to 2009, the survey was conducted with a Yankee 36 bottom trawl and 450-kg euronet polyvalent trawl doors. Beginning in 2009, the survey is being conducted using a 400 x 12cm, 4-seam bottom trawl designed and extensively tested with the fishing industry, fishery management, and academic stakeholders in conjunction with the Northeast Fisheries Science Center scientists through the mid-Atlantic and New England Trawl Survey Advisory Panel. The net was extensively tested on the NOAA Ship *Delaware II* and the NOAA Ship *Henry B. Bigelow* prior to being adopted as the standard survey gear. The bottom trawl is fished with 550-kg, 2.2-m Poly-Ice oval trawl doors.

The survey towing speed was decreased from 3.8 knots prior to 2009 to 3.0 knots beginning in 2009. The new towing speed was selected after extensive scope and tow speed trials conducted on both the NOAA Ship *Delaware II* and the NOAA Ship *Henry B. Bigelow* and consideration of the range of species to be sampled. The tow duration was also changed from 30 minutes (timed from when the winches were locked until they were reengaged) to 20 minutes of actual bottom time (as determined by net monitoring systems). The adjustments to both tow speed and tow duration have resulted in a decrease of average tow distance from 1.9 nautical miles prior to 2009 to an average tow distance of 1.0 nautical miles beginning in 2009.

Station allocation also changed significantly due to a total increase in available vessel time from 48 to 60 sea days and a reduction of inshore sampling by the NOAA Ship *Henry B. Bigelow*. As a result, station density was increased in offshore strata. Inshore areas of the mid-Atlantic will continue to be sampled by the Northeast Area Monitoring and Assessment Program (NEAMAP) bottom trawl survey.

In 2008 the Northeast Fisheries Science Center conducted an extensive study to estimate the relative catchability of the NOAA Ship *Albatross IV* sampling with the Yankee 36 bottom trawl following historical protocols and the NOAA Ship *Henry B. Bigelow* sampling with the 400 x 12cm, 4-seam bottom trawl following revised protocols. Results of this study were peer reviewed in August 2009 and can be found in the NEFSC reference document 10-05: *Estimation of Albatross IV to Henry B. Bigelow Calibration Factors*.

RESOURCE SURVEY REPORT
Catch Summary

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Northeast Fisheries Science Center

Autumn Bottom Trawl Survey
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Attached are station and catch summaries and a series of geographical plots of commercially and recreationally important species caught during the Northeast Fisheries Science Center's (NEFSC) 2016 autumn bottom trawl survey aboard the NOAA Ship *Henry B. Bigelow*. Details regarding standard operating procedures at each tow location can be found in the NEFSC reference document 14-06: *NEFSC Bottom Trawl Survey Protocols for the NOAA Ship Henry B. Bigelow*.

Because of the 20-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 Philip Politis (508-495-2171), NOAA Fisheries Service, Northeast Fisheries Science Center, 166 Water Street, Woods Hole, MA 02543. To view this report, go to the Ecosystems Surveys Branch website.

Choose:

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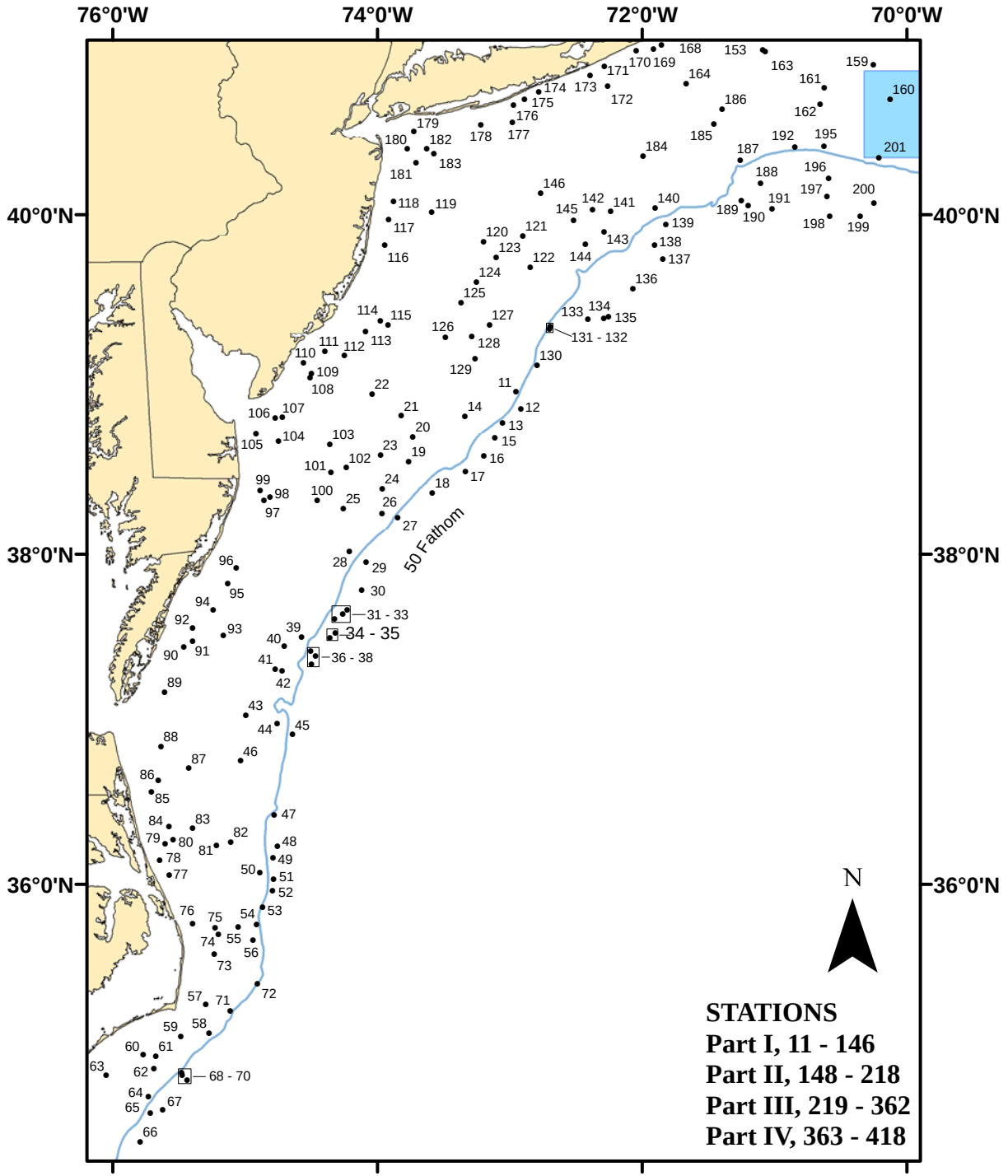

Figure 1. Trawl hauls made from NOAA Ship *Henry B. Bigelow* (16-04), during NOAA Fisheries Service, Northeast Fisheries Science Center's autumn bottom trawl survey, 8 September - 10 November 2016

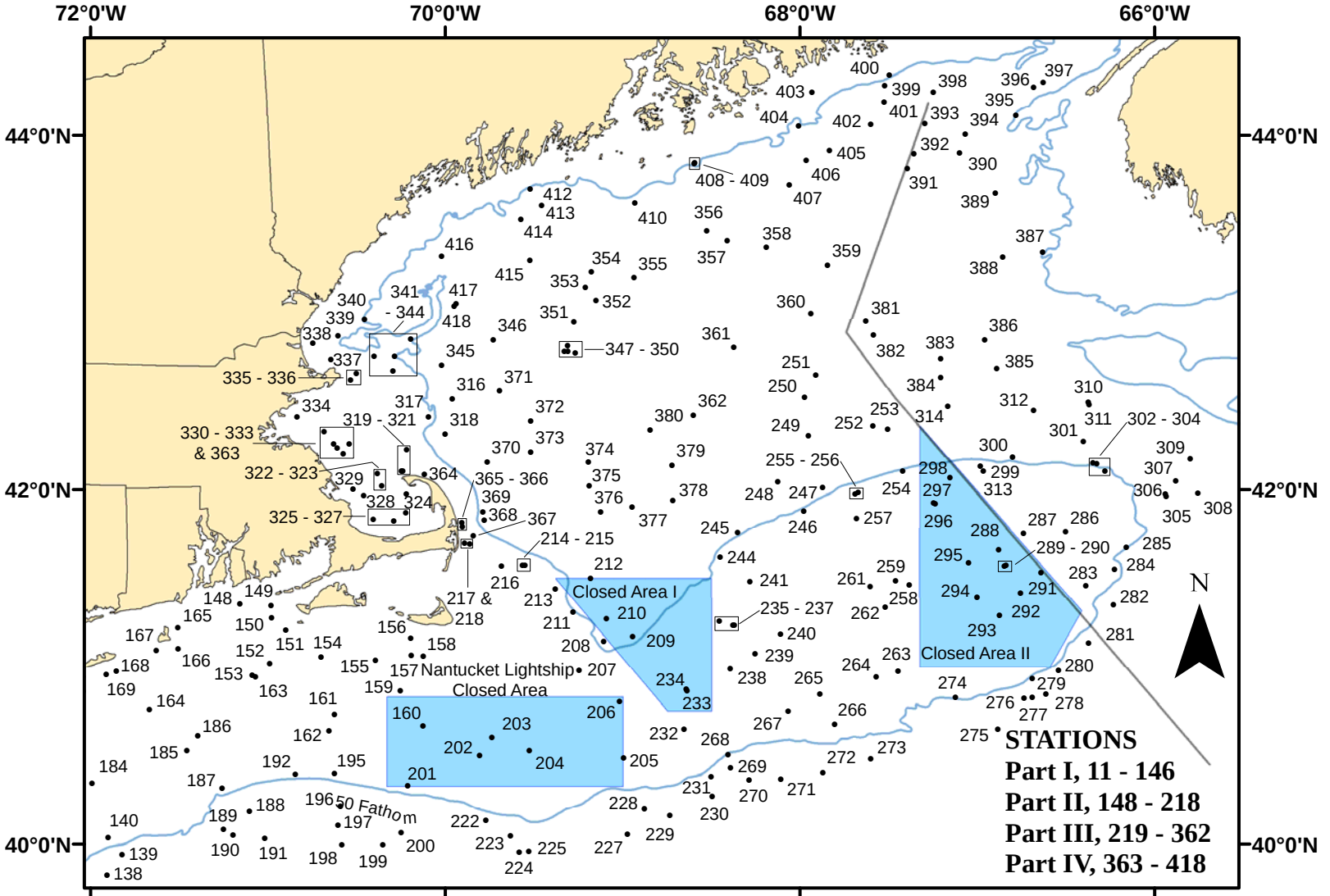

Figure 2. Trawl hauls made from NOAA Ship *Henry B. Bigelow* (16 - 04), during NOAA Fisheries Service, Northeast Fisheries Science Center's autumn bottom trawl survey, 8 September - 10 November 2016

NOAA Fisheries Service
Autumn Bottom Trawl Survey
2016 Station Information

Station*	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0011	Sep-09	1221	3857.8	7257.2	X26402.2	Y42798.3	034	49.8	
0012	Sep-09	1451	3851.8	7255.0	X26385.9	Y42741.6	033	125.5	53.3
0013	Sep-09	1738	3846.8	7303.3	X26434.4	Y42690.2	346	104.2	55.8
0014	Sep-09	2011	3849.2	7320.4	X26539.3	Y42706.3	216	42.9	47.4
0015	Sep-09	2249	3841.4	7306.8	X26452.3	Y42635.8	219	87.5	55.7
0016	Sep-10	0043	3835.2	7311.7	X26477.3	Y42572.5	170	153.7	48.1
0017	Sep-10	0234	3829.7	7320.1	X26522.5	Y42512.3	229	66.7	56.5
0018	Sep-10	0513	3821.9	7335.1	X26601.9	Y42423.0	213	89.9	53.5
0019	Sep-10	0815	3833.1	7345.8	X26674.6	Y42529.5	030	33.4	50.4
0020	Sep-10	0948	3841.9	7343.9	X26673.7	Y42621.5	315	30.3	49.9
0021	Sep-10	1145	3849.3	7349.2	X26714.4	Y42695.1	264	25.4	51.4
0022	Sep-10	1358	3857.0	7402.5	X26806.9	Y42770.0	250	21.6	58.7
0023	Sep-10	1708	3835.5	7358.6	X26751.6	Y42545.0	171	28.2	51.4
0024	Sep-10	2015	3823.5	7357.9	X26731.5	Y42420.0	203	34.2	49.8
0025	Sep-10	2256	3816.3	7415.5	X26819.2	Y42328.5	208	29.0	52.5
0026	Sep-11	0129	3814.6	7357.9	X26720.9	Y42327.2	282	39.9	49.8
0027	Sep-11	0432	3813.0	7350.8	X26680.5	Y42317.4	220	155.8	57.6
0028	Sep-11	0800	3800.9	7412.8	X26784.0	Y42168.0	244	38.5	49.6
0029	Sep-11	0954	3757.2	7405.2	X26739.7	Y42138.1	203	64.5	56.9
0030	Sep-11	1245	3747.1	7407.2	X26738.4	Y42030.1	031	140.5	50.5
0031	Sep-11	1522	3740.0	7413.7	X26763.5	Y41946.6	032	108.8	53.8
0032	Sep-11	1708	3738.5	7415.7	X26771.8	Y41928.0	212	80.1	
0033	Sep-11	1845	3736.6	7419.5	X26787.9	Y41902.3	034	59.3	57.0
0034	Sep-11	2048	3731.8	7419.1	X26780.6	Y41852.7	207	141.3	48.1
0035	Sep-11	2222	3729.8	7421.5	X26790.2	Y41827.5	219	108.3	55.9
0036	Sep-12	0041	3720.5	7429.9	X26819.0	Y41715.7	017	75.7	56.2
0037	Sep-12	0210	3723.2	7428.0	X26813.4	Y41748.2	327	120.8	49.8
0038	Sep-12	0328	3725.1	7430.3	X26826.4	Y41764.1	004	73.0	55.8
0039	Sep-12	0501	3730.1	7434.5	X26852.7	Y41809.8	220	35.8	55.7
0040	Sep-12	0633	3726.9	7442.2	X26885.2	Y41762.6	223	29.8	58.4
0041	Sep-12	0820	3718.7	7446.3	X26893.2	Y41667.6	117	29.5	54.3
0042	Sep-12	0938	3717.8	7443.3	X26878.2	Y41664.0	204	32.8	51.9
0043	Sep-12	1238	3701.9	7459.7	X26931.0	Y41461.5	132	25.7	69.7
0044	Sep-12	1511	3659.0	7445.4	X26864.0	Y41459.7	179	40.7	52.9
0045	Sep-12	1702	3654.8	7438.5	X26828.8	Y41431.1	005	64.0	56.5
0046	Sep-12	2009	3645.2	7502.0	X26919.1	Y41278.7	153	15.3	71.3
0047	Sep-12	2306	3625.5	7446.8	X26832.7	Y41110.3	174	87.8	55.8
0048	Sep-13	0147	3613.9	7445.4	X26815.3	Y40998.9	177	182.9	44.0
0049	Sep-13	0332	3609.7	7447.3	X26819.0	Y40951.3	176	89.1	55.6
0050	Sep-13	0522	3604.4	7453.3	X26837.3	Y40882.3	191	44.6	63.1
0051	Sep-13	0721	3602.0	7447.1	X26810.6	Y40876.6	178	154.7	55.3
0052	Sep-13	1837	3557.7	7447.7	X26809.0	Y40833.5	196	172.0	53.0
0053	Sep-13	2307	3551.7	7452.0	X26820.4	Y40762.5	171	64.8	57.9
0054	Sep-14	0035	3545.1	7454.8	X26824.8	Y40691.4	169	38.3	59.6
0055	Sep-14	0224	3544.3	7503.1	X26855.6	Y40657.5	184	25.2	52.5
0056	Sep-14	0359	3539.5	7456.5	X26826.1	Y40633.7	177	30.3	58.2
0057	Sep-14	0751	3515.6	7517.8	X26881.8	Y40339.1	195	13.4	75.8
0058	Sep-14	0958	3504.8	7516.4	X26866.7	Y40249.0	233	38.0	69.4

NOAA Fisheries Service
Autumn Bottom Trawl
2016 Station Information

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0059	Sep-14	1210	3503.8	7529.1	X26910.0	Y40190.6	266	14.2	77.1
0060	Sep-14	1456	3456.9	7546.2	X26961.3	Y40061.6	324	15.0	80.8
0061	Sep-14	1625	3456.2	7540.4	X26941.1	Y40078.8	249	18.3	81.1
0062	Sep-14	1750	3451.7	7541.3	X26939.5	Y40036.9	206	21.9	80.3
0063	Sep-14	2102	3449.1	7603.0	X27008.8	Y39922.9	227	15.9	79.7
0064	Sep-15	0008	3441.2	7543.8	X26937.6	Y39938.3	228	29.3	76.5
0065	Sep-15	0202	3435.2	7543.0	X26929.2	Y39894.3	209	74.4	62.1
0066	Sep-15	0457	3424.2	7547.5	X26933.6	Y39791.2	037	159.9	51.1
0067	Sep-15	0759	3436.2	7537.4	X26911.9	Y39927.1	037	181.0	48.8
0068	Sep-15	1134	3447.2	7526.3	X26884.8	Y40061.6		194.4	48.2
0069	Sep-15	1331	3449.2	7528.5	X26894.3	Y40068.6	028	88.6	58.8
0070	Sep-15	1541	3450.2	7528.7	X26895.7	Y40076.0	215	73.0	58.8
0071	Sep-15	2034	3513.1	7506.8	X26840.3	Y40358.1	219	39.9	77.6
0072	Sep-15	2321	3523.4	7454.4	X26804.7	Y40493.0	056	61.2	60.2
0073	Sep-16	0303	3534.4	7513.9	X26886.2	Y40527.0	355	18.6	71.5
0074	Sep-16	0442	3541.6	7512.1	X26886.7	Y40601.9	350	19.1	71.2
0075	Sep-16	0543	3543.9	7513.6	X26894.5	Y40619.8	352	21.3	69.2
0076	Sep-16	0814	3545.5	7523.7	X26934.1	Y40603.1	014	15.9	70.9
0077	Sep-16	1254	3603.4	7534.3	X26995.4	Y40754.2	186	11.2	75.6
0078	Sep-16	1503	3608.9	7538.8	X27019.6	Y40799.9	017	12.6	76.4
0079	Sep-16	1656	3615.0	7536.3	X27018.1	Y40871.8	301	14.5	75.5
0080	Sep-16	1844	3616.5	7532.6	X27006.1	Y40898.1	261	15.6	74.9
0081	Sep-16	2221	3614.4	7513.0	X26926.3	Y40928.3	325	17.0	71.5
0082	Sep-17	0027	3615.6	7506.4	X26901.5	Y40958.2	007	20.0	70.1
0083	Sep-17	0337	3620.6	7523.8	X26976.4	Y40964.2	045	15.9	75.6
0084	Sep-17	0538	3621.3	7534.5	X27020.1	Y40944.8	357	14.5	74.8
0085	Sep-17	0806	3634.1	7542.5	X27070.4	Y41065.3	001	12.8	75.9
0086	Sep-17	0930	3638.1	7539.3	X27063.4	Y41116.7	009	11.8	75.4
0087	Sep-17	1202	3642.5	7525.5	X27013.7	Y41196.7	334	12.0	74.5
0088	Sep-17	1423	3650.5	7538.2	X27078.4	Y41257.6	343	10.1	
0089	Sep-17	1710	3710.3	7536.4	X27104.1	Y41483.7	030	9.6	75.6
0090	Sep-17	1942	3726.6	7527.8	X27095.3	Y41683.7	027	11.5	74.8
0091	Sep-17	2100	3728.8	7523.8	X27081.3	Y41715.2	040	12.6	
0092	Sep-17	2223	3733.3	7523.9	X27089.7	Y41766.4	054	12.6	74.5
0093	Sep-18	0022	3730.7	7509.9	X27021.0	Y41758.8	058	18.0	72.7
0094	Sep-18	0215	3739.9	7514.5	X27058.3	Y41854.6	291	12.3	73.8
0095	Sep-18	0447	3749.5	7507.9	X27044.3	Y41972.9	350	13.4	73.1
0096	Sep-18	0632	3755.0	7504.0	X27035.3	Y42039.4	015	14.5	73.5
0097	Sep-18	0947	3819.2	7451.5	X27017.4	Y42324.7	335	9.0	74.0
0098	Sep-18	1053	3820.5	7448.8	X27005.6	Y42342.0	021	11.8	73.7
0099	Sep-18	1223	3822.8	7453.2	X27033.7	Y42362.8	046	12.0	
0100	Sep-18	1532	3819.2	7427.3	X26887.8	Y42348.6	022	19.7	64.8
0101	Sep-18	1734	3829.1	7421.1	X26869.7	Y42460.4	024	26.2	58.7
0102	Sep-18	1904	3830.9	7414.1	X26833.7	Y42485.5	041	26.0	56.2
0103	Sep-18	2104	3839.3	7421.6	X26890.1	Y42569.9	002	20.0	
0104	Sep-19	0009	3840.4	7444.8	X27023.9	Y42566.8	238	14.2	73.1
0105	Sep-19	0208	3842.9	7455.0	X27086.2	Y42587.1	344	13.9	73.3
0106	Sep-19	0350	3848.6	7446.4	X27050.4	Y42656.4	038	10.9	73.6

NOAA Fisheries Service
Autumn Bottom Trawl
2016 Station Information

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0107	Sep-19	0454	3848.7	7443.1	X27031.7	Y42660.3	072	10.4	73.2
0108	Sep-19	0755	3902.8	7430.5	X26988.5	Y42821.3	351	11.5	72.6
0109	Sep-19	0857	3904.1	7430.0	X26988.1	Y42836.3	054	12.8	72.9
0110	Sep-19	1101	3907.9	7433.5	X27017.7	Y42876.5	042	9.8	73.6
0111	Sep-19	1519	3912.1	7423.8	X26967.5	Y42924.6	049	10.9	71.7
0112	Sep-19	1707	3910.6	7415.1	X26909.7	Y42910.5	076	11.2	
0113	Sep-19	1857	3919.0	7405.4	X26864.8	Y43001.9	036	14.2	72.4
0114	Sep-19	2023	3922.8	7358.7	X26828.6	Y43042.0	053	16.1	71.9
0115	Sep-19	2153	3921.5	7355.2	X26803.3	Y43028.6	017	16.7	72.4
0116	Sep-20	0116	3949.5	7356.8	X26870.9	Y43319.9	040	13.1	68.8
0117	Sep-20	0251	3958.2	7355.0	X26877.9	Y43409.2	045	12.8	69.5
0118	Sep-20	0412	4004.6	7352.7	X26876.3	Y43472.7	001	13.1	67.6
0119	Sep-20	0647	4001.0	7335.4	X26740.4	Y43425.2	129	21.6	53.1
0120	Sep-20	0957	3950.7	7311.9	X26550.0	Y43310.9	170	26.5	49.5
0121	Sep-20	1227	3952.6	7254.1	X26421.8	Y43319.9	080	30.6	49.2
0122	Sep-20	1441	3941.7	7250.8	X26387.2	Y43216.3	299	39.6	50.5
0123	Sep-20	1643	3945.1	7306.2	X26500.9	Y43254.7	202	27.1	49.2
0124	Sep-20	1834	3936.5	7315.2	X26554.4	Y43174.3	232	21.6	54.2
0125	Sep-20	2033	3929.2	7322.1	X26593.0	Y43104.4	239	21.3	60.7
0126	Sep-20	2249	3917.1	7329.1	X26624.6	Y42983.7	083	26.5	51.7
0127	Sep-21	0120	3921.5	7309.2	X26497.1	Y43027.0	236	34.2	48.2
0128	Sep-21	0250	3917.2	7317.2	X26546.3	Y42985.1	199	31.2	49.2
0129	Sep-21	0422	3909.3	7315.8	X26528.8	Y42907.5	219	34.4	48.8
0130	Sep-21	0809	3907.2	7247.6	X26345.5	Y42890.4	212	65.3	57.0
0131	Sep-21	1051	3920.0	7242.0	X26314.3	Y43011.1	023	58.2	56.5
0132	Sep-21	1149	3920.7	7241.6	X26311.7	Y43017.4	212	58.0	56.5
0133	Sep-21	1436	3923.4	7224.6	X26199.1	Y43039.7	030	74.6	
0134	Sep-21	1625	3923.8	7217.4	X26151.2	Y43042.2	189	97.3	53.9
0135	Sep-21	1758	3924.4	7215.3	X26137.2	Y43047.2	005	125.2	51.1
0136	Sep-21	2034	3934.2	7204.2	X26060.3	Y43132.4	050	139.7	48.3
0137	Sep-21	2315	3944.6	7150.6	X25962.5	Y43216.9		169.2	
0138	Sep-22	0110	3949.4	7154.4	X25986.8	Y43259.4	050	85.6	49.2
0139	Sep-22	0306	3956.5	7149.3	X25947.6	Y43316.9	275	62.3	56.3
0140	Sep-22	0454	4002.4	7154.0	X25980.0	Y43369.6	233	46.5	55.2
0141	Sep-22	0715	4001.1	7214.2	X26130.4	Y43372.4	281	44.3	51.4
0142	Sep-22	0835	4001.8	7222.5	X26192.8	Y43384.2	219	39.6	50.1
0143	Sep-22	1022	3954.0	7217.2	X26150.8	Y43312.2	241	45.7	52.4
0144	Sep-22	1218	3949.6	7225.7	X26211.2	Y43277.5	345	45.4	53.2
0145	Sep-22	1404	3958.1	7231.2	X26255.9	Y43356.9	328	36.9	
0146	Sep-22	1615	4007.5	7246.0	X26376.6	Y43452.5	041	29.8	49.9
0148	Sep-28	1306	4121.4	7109.5	X25656.9	Y43929.3	076	17.0	65.7
0149	Sep-28	1523	4120.8	7059.0	X25560.9	Y43909.9	108	15.3	65.5
0150	Sep-28	1647	4116.7	7058.8	X25548.4	Y43881.4	215	22.7	60.9
0151	Sep-28	1857	4112.4	7054.0	X25496.4	Y43845.0	028	16.1	64.3
0152	Sep-28	2148	4101.2	7059.5	X25532.4	Y43773.4	111	24.1	59.2
0153	Sep-29	0001	4057.1	7105.4	X25581.9	Y43751.7	044	27.9	56.2

NOAA Fisheries Service
Autumn Bottom Trawl
2016 Station Information

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0154	Sep-29	0412	4103.3	7042.1	X25381.1	Y43766.8	068	25.7	60.8
0155	Sep-29	0721	4102.2	7023.6	X25223.9	Y43737.1	063	22.1	64.0
0156	Sep-29	0943	4109.6	7011.7	X25116.4	Y43772.2	042	13.1	65.8
0157	Sep-29	1142	4103.9	7011.5	X25125.6	Y43734.7	316	15.0	65.6
0158	Sep-29	1322	4103.6	7007.4	X25097.1	Y43727.9	208	13.1	64.8
0159	Sep-29	1550	4051.8	7015.2	X25185.5	Y43657.4	040	22.7	63.0
0160	Sep-29	1852	4040.1	7007.6	X25180.9	Y43569.5	027	25.4	65.4
0161	Sep-29	2215	4043.9	7037.4	X25362.7	Y43624.9	180	32.5	58.5
0162	Sep-30	0016	4038.3	7039.3	X25387.4	Y43586.9	069	34.2	56.4
0163	Sep-30	0354	4056.5	7104.2	X25571.8	Y43746.0	054	28.2	59.5
0164	Sep-30	0811	4045.5	7140.1	X25873.5	Y43707.1	050	37.5	54.6
0165	Sep-30	1542	4113.2	7130.5	X25826.8	Y43902.6	058	20.8	64.1
0166	Sep-30	1814	4106.0	7130.4	X25811.9	Y43849.4	062	14.8	64.3
0167	Oct-01	0304	4105.7	7137.8	X25877.0	Y43857.4	083	19.4	65.0
0168	Oct-01	0519	4058.6	7151.2	X25984.7	Y43822.8	041	15.9	64.9
0169	Oct-01	0657	4057.4	7154.8	X26013.8	Y43818.1	086	16.7	65.0
0170	Oct-01	0848	4056.6	7202.7	X26081.6	Y43823.1	073	14.5	65.3
0171	Oct-01	1150	4051.4	7217.2	X26199.0	Y43801.0	060	15.3	65.2
0172	Oct-01	1343	4044.5	7215.7	X26175.3	Y43742.1	105	24.1	65.0
0173	Oct-01	1518	4048.2	7223.6	X26248.8	Y43783.6	058	16.1	65.0
0174	Oct-01	1752	4042.6	7246.9	X26436.0	Y43766.2	064	13.9	66.3
0175	Oct-01	1924	4039.9	7253.3	X26484.5	Y43750.9	234	14.8	66.7
0176	Oct-01	2032	4038.0	7258.4	X26522.9	Y43739.8	240	12.8	66.8
0177	Oct-01	2216	4031.9	7258.9	X26515.4	Y43686.3	248	18.3	66.5
0178	Oct-01	2356	4031.3	7313.1	X26629.9	Y43697.0	256	12.8	67.2
0179	Oct-02	0240	4029.0	7343.5	X26867.4	Y43708.7	338	13.4	68.3
0180	Oct-02	0435	4022.9	7346.5	X26874.4	Y43651.4	177	18.3	68.2
0181	Oct-02	0557	4018.1	7342.5	X26832.1	Y43600.1	158	15.6	68.0
0182	Oct-02	0727	4022.9	7337.6	X26805.9	Y43642.9	113	13.9	68.0
0183	Oct-02	0834	4021.3	7334.4	X26777.0	Y43624.5	089	14.2	68.1
0184	Oct-02	1550	4020.5	7159.5	X26022.4	Y43526.1	055	35.3	52.6
0185	Oct-02	1909	4031.6	7127.5	X25766.6	Y43584.7	352	38.5	54.0
0186	Oct-02	2055	4036.6	7123.8	X25735.5	Y43619.7	167	36.6	55.7
0187	Oct-02	2333	4018.9	7115.6	X25683.7	Y43474.3		49.2	55.9
0188	Oct-03	0130	4011.1	7106.2	X25627.1	Y43406.2	274	71.4	55.7
0189	Oct-03	0404	4005.0	7115.1	X25697.0	Y43364.5	049	82.8	55.3
0190	Oct-03	0552	4003.2	7111.9	X25677.4	Y43348.7	060	110.5	54.8
0191	Oct-03	0847	4001.9	7101.1	X25607.8	Y43331.9	264	148.2	52.2
0192	Oct-03	1152	4023.5	7050.8	X25497.8	Y43488.8	074	48.9	59.5
0195	Oct-03	1349	4023.8	7037.5	X25408.1	Y43479.9	060	46.5	59.2
0196	Oct-03	1608	4012.8	7035.5	X25422.5	Y43397.4	138	65.9	56.6
0197	Oct-03	1810	4006.3	7036.2	X25443.7	Y43349.5	072	70.8	56.4
0198	Oct-03	2037	3959.6	7035.0	X25453.3	Y43298.8	259	146.5	52.1
0199	Oct-04	0042	3959.6	7021.1	X25378.7	Y43291.2	077	158.3	47.0
0200	Oct-04	0247	4004.0	7014.9	X25335.1	Y43320.0	304	90.5	55.6
0201	Oct-04	0517	4019.7	7012.7	X25275.7	Y43431.0	044	47.3	58.4
0202	Oct-04	0813	4030.0	6948.4	W14073.0	Y43484.2	057	39.1	61.5

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0203	Oct-04	0951	4036.2	6944.2	W14029.6	Y43522.4	060	33.4	65.5
0204	Oct-04	1212	4031.5	6931.5	W13980.1	Y43481.7	094	34.4	66.9
0205	Oct-04	1650	4029.1	6859.7	W13830.1	Y43442.6	055	41.0	65.7
0206	Oct-04	2017	4048.3	6901.1	W13763.5	Y43564.7	026	42.1	65.5
0207	Oct-04	2348	4059.0	6914.7	W13789.7	Y43643.5	229	36.6	56.6
0208	Oct-05	0256	4108.6	6906.4	W13707.4	Y43694.4	246	56.6	46.8
0209	Oct-05	0517	4110.2	6856.6	W13650.5	Y43694.4	333	58.2	46.2
0210	Oct-05	0732	4116.4	6905.5	W13669.2	Y43740.2	131	86.1	43.9
0211	Oct-05	0959	4118.4	6916.8	W13718.9	Y43764.8	131	49.2	
0212	Oct-05	1321	4130.0	6910.9	W13636.7	Y43826.8	170	90.2	43.8
0213	Oct-05	1520	4126.3	6922.8	W13716.1	Y43818.9	322	30.9	51.0
0214	Oct-05	1758	4134.3	6933.1	W13736.0	Y43879.6	111	31.2	50.6
0215	Oct-05	2151	4134.3	6933.9	W13740.4	Y43880.7	148	29.5	50.6
0216	Oct-06	0018	4134.0	6941.0	W13781.2	Y43887.8	311	18.3	57.3
0217	Oct-06	0317	4141.9	6953.5	W13815.4	Y43951.8	013	12.6	59.1
0218	Oct-06	1015	4141.7	6951.7	W13806.1	Y43948.6	349	12.6	59.0
0222	Oct-12	0436	4008.2	6946.3	W14133.7	Y43333.4	120	55.2	59.6
0223	Oct-12	0616	4002.7	6938.0	W14109.0	Y43291.0	090	63.2	58.5
0224	Oct-12	0903	3957.2	6935.0	W14111.6	Y43251.4	330	129.3	53.9
0225	Oct-12	1107	3957.6	6931.8	W14094.3	Y43253.0	282	86.1	57.3
0227	Oct-12	1452	4003.3	6858.4	W13914.6	Y43276.3	072	108.0	56.2
0228	Oct-12	1651	4012.1	6852.6	W13857.1	Y43330.2	119	70.3	57.8
0229	Oct-12	1825	4009.7	6844.0	W13825.1	Y43310.4	075	87.5	
0230	Oct-12	2030	4016.1	6829.7	W13735.6	Y43343.4	102	81.7	57.6
0231	Oct-12	2258	4022.7	6830.0	W13712.6	Y43384.4	309	55.2	59.9
0232	Oct-13	0125	4039.0	6839.2	W13693.8	Y43490.0	059	34.7	61.5
0233	Oct-13	0610	4051.9	6838.2	W13637.3	Y43567.6	067	32.3	62.4
0234	Oct-13	0710	4052.4	6838.5	W13636.2	Y43571.3		32.8	62.4
0235	Oct-13	1211	4115.5	6827.4	W13484.1	Y43696.5	263	31.7	
0236	Oct-13	1405	4114.1	6822.7	W13468.1	Y43684.1		29.8	
0237	Oct-13	1531	4114.1	6822.2	W13465.5	Y43683.9	260	29.5	
0238	Oct-13	1812	4059.5	6823.6	W13536.1	Y43600.5	075	26.5	62.6
0239	Oct-13	2010	4104.5	6815.1	W13474.7	Y43622.7	165	25.4	62.6
0240	Oct-13	2240	4111.0	6806.6	W13406.6	Y43652.4	343	25.2	63.4
0241	Oct-14	0209	4128.9	6816.9	W13372.7	Y43761.8	338	29.3	61.5
0244	Oct-14	0605	4137.2	6827.0	W13381.6	Y43818.3	225	43.5	52.6
0245	Oct-14	0911	4145.5	6821.1	W13312.6	Y43857.0	220	60.1	45.4
0246	Oct-14	1225	4152.7	6758.7	W13171.4	Y43870.7	077	44.3	45.5
0247	Oct-14	1444	4200.9	6752.3	W13100.1	Y43905.7	013	101.4	45.5
0248	Oct-14	1730	4202.8	6807.6	W13160.5	Y43932.8	338	126.0	48.2
0249	Oct-14	2054	4218.3	6757.2	W13029.4	Y43998.7	044	109.1	48.2
0250	Oct-14	2353	4231.2	6758.4	W12963.2	Y44063.0	002	113.5	48.6
0251	Oct-15	0206	4238.8	6754.7	W12902.3	Y44094.4	074	111.8	
0252	Oct-15	0605	4221.5	6735.3	W12914.3	Y43988.5	007	152.6	
0253	Oct-15	0820	4220.4	6730.3	W12898.9	Y43977.4	133	167.3	
0254	Oct-15	1041	4206.2	6725.3	W12954.4	Y43902.5	246	47.3	
0255	Oct-15	1248	4159.0	6740.4	W13056.9	Y43883.0	142	27.3	

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0256	Oct-15	1520	4158.6	6741.3	W13063.5	Y43881.8	082	26.8	
0257	Oct-15	1735	4150.2	6740.9	W13104.2	Y43838.6	178	19.4	62.1
0258	Oct-15	2158	4127.6	6723.1	W13138.4	Y43704.6	258	24.3	
0259	Oct-16	0002	4129.0	6727.7	W13151.1	Y43716.0	299	26.8	62.2
0261	Oct-16	0322	4127.2	6736.3	W13196.9	Y43713.8	049	22.4	
0262	Oct-16	0532	4120.1	6731.2	W13207.9	Y43672.0	058	23.8	
0263	Oct-16	0911	4058.6	6726.8	W13286.1	Y43552.1	187	40.5	
0264	Oct-16	1052	4056.7	6734.2	W13325.7	Y43547.0	181	39.1	
0265	Oct-16	1338	4050.9	6753.3	W13433.9	Y43527.8	246	36.4	62.3
0266	Oct-16	1540	4040.7	6748.3	W13454.5	Y43465.8	330	43.5	61.5
0267	Oct-16	1741	4045.0	6804.0	W13506.4	Y43501.2	116	41.0	62.3
0268	Oct-16	2036	4030.3	6824.4	W13657.7	Y43427.5	228	51.9	61.7
0269	Oct-16	2207	4025.8	6823.5	W13670.9	Y43399.7	089	57.1	59.3
0270	Oct-16	2347	4021.7	6817.2	W13657.9	Y43371.1	218	75.2	58.1
0271	Oct-17	0243	4021.9	6806.5	W13608.7	Y43366.7	322	99.8	55.3
0272	Oct-17	0533	4024.1	6752.2	W13537.5	Y43372.1	237	132.6	57.5
0273	Oct-17	0829	4029.0	6736.1	W13449.1	Y43391.8	272	79.0	59.9
0274	Oct-17	1220	4049.8	6707.4	W13244.4	Y43491.2	245	51.9	55.7
0275	Oct-17	1558	4038.9	6653.1	W13233.4	Y43424.1	239	169.2	48.7
0276	Oct-17	1820	4049.3	6644.2	W13154.8	Y43474.8	059	82.6	54.2
0277	Oct-17	2003	4049.6	6641.5	W13143.2	Y43474.6	048	109.4	57.8
0278	Oct-17	2144	4051.0	6636.7	W13119.3	Y43479.3	033	167.3	50.2
0279	Oct-17	2336	4056.1	6641.4	W13115.0	Y43508.6	064	54.1	53.5
0280	Oct-18	0112	4058.9	6632.6	W13069.3	Y43517.8	232	59.3	52.8
0281	Oct-18	0336	4108.0	6622.3	W12990.8	Y43558.1		74.9	50.4
0282	Oct-18	0640	4120.9	6613.9	W12901.7	Y43616.8	198	70.8	51.0
0283	Oct-18	0907	4127.4	6623.2	W12905.0	Y43655.4	123	54.4	51.6
0284	Oct-18	1052	4133.2	6613.5	W12843.2	Y43676.1	151	51.7	51.4
0285	Oct-18	1340	4140.5	6609.6	W12794.0	Y43708.3	233	51.9	50.6
0286	Oct-18	1640	4145.7	6630.1	W12841.8	Y43750.1	039	42.4	56.2
0287	Oct-18	1850	4145.2	6644.4	W12897.8	Y43760.0	072	36.6	58.8
0288	Oct-18	2049	4139.7	6652.8	W12957.4	Y43739.8	241	36.6	60.5
0289	Oct-18	2232	4134.0	6650.9	W12977.5	Y43709.9	034	38.8	59.3
0290	Oct-18	2307	4134.4	6650.3	W12973.7	Y43711.3	217	38.8	59.3
0291	Oct-19	0127	4131.9	6638.4	W12940.0	Y43689.3	198	43.7	57.0
0292	Oct-19	0349	4124.9	6645.4	W12999.8	Y43659.8	236	43.2	56.5
0293	Oct-19	0534	4117.3	6652.5	W13062.8	Y43626.5	239	39.4	58.1
0294	Oct-19	0737	4123.7	6700.1	W13062.9	Y43664.8	047	36.1	59.9
0295	Oct-19	1018	4135.2	6703.0	W13019.4	Y43726.3	110	34.2	60.9
0296	Oct-19	1323	4155.4	6714.8	W12967.0	Y43838.6	143	29.5	60.4
0297	Oct-19	1423	4155.3	6714.3	W12965.2	Y43837.5	266	32.5	60.4
0298	Oct-19	1627	4204.1	6709.3	W12899.5	Y43875.5	340	28.7	58.2
0299	Oct-19	1935	4208.0	6659.0	W12837.7	Y43884.1	075	39.6	49.2
0300	Oct-19	2146	4211.2	6648.1	W12778.9	Y43888.1	083	113.5	48.5
0301	Oct-20	0110	4216.4	6624.1	W12663.3	Y43889.0	096	138.9	48.5
0302	Oct-20	0330	4209.0	6620.8	W12690.4	Y43852.0	260	100.1	48.2
0303	Oct-20	0442	4208.8	6619.6	W12687.2	Y43849.9	307	98.7	48.2

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0304	Oct-20	0627	4206.4	6616.9	W12690.2	Y43836.2	302	54.7	50.2
0305	Oct-20	1102	4157.8	6556.0	W12663.3	Y43778.5	348	61.8	47.5
0306	Oct-20	1150	4158.5	6556.3	W12660.8	Y43781.8	172	61.5	47.5
0307	Oct-20	1405	4203.1	6552.8	W12625.9	Y43800.3	142	131.2	46.2
0308	Oct-20	1604	4159.0	6545.4	W12622.7	Y43775.2	326	138.1	44.0
0309	Oct-20	1857	4210.4	6548.0	W12573.3	Y43829.0	323	136.4	46.6
0310	Oct-20	2312	4229.6	6622.4	W12586.2	Y43947.0	122	137.8	49.6
0311	Oct-21	0042	4228.9	6622.1	W12589.3	Y43943.5	332	139.7	49.6
0312	Oct-21	0343	4226.8	6641.0	W12668.1	Y43953.3	113	183.2	48.5
0313	Oct-21	0731	4206.3	6658.0	W12842.8	Y43874.7	050	36.1	51.7
0314	Oct-21	1217	4228.2	6710.0	W12772.0	Y43990.9	263	194.4	48.6
0316	Oct-22	0055	4230.8	6957.7	W13597.3	Y44235.4	244	93.2	45.5
0317	Oct-22	0237	4224.8	7005.7	X25552.7	Y44216.3	188	48.9	
0318	Oct-22	0443	4218.9	7000.0	X25485.6	Y44174.9	045	105.3	45.5
0319	Oct-22	0719	4213.5	7013.0	X25513.2	Y44166.2	146	19.1	58.5
0320	Oct-22	1034	4206.3	7014.4	X25470.3	Y44127.3	271	35.3	55.3
0321	Oct-22	1147	4206.3	7014.8	X25472.8	Y44127.9	096	35.3	55.3
0322	Oct-22	1337	4205.5	7022.9	X25514.7	Y44136.4	106	33.9	51.0
0323	Oct-22	1508	4201.2	7021.5	X25476.6	Y44109.2	105	29.5	
0324	Oct-22	1649	4158.7	7013.1	X25409.5	Y44081.0	205	21.1	57.4
0325	Oct-22	1929	4152.3	7013.4	X25364.9	Y44043.3	231	15.6	60.0
0326	Oct-22	2118	4149.3	7017.4	X25367.9	Y44031.4	242	13.1	60.3
0327	Oct-22	2344	4150.1	7024.3	X25418.4	Y44046.8	260	13.9	
0328	Oct-23	0210	4158.0	7027.5	X25493.2	Y44099.5	252	21.1	58.7
0329	Oct-23	0410	4200.2	7031.2	X25532.4	Y44118.8	221	20.8	58.9
0330	Oct-23	0848	4214.0	7036.5	X25657.7	Y44209.1	316	18.6	58.3
0331	Oct-23	1038	4215.4	7032.5	X25640.7	Y44210.1	128	34.2	53.1
0332	Oct-23	1254	4215.5	7037.8	X25675.6	Y44220.0	293	21.1	58.2
0333	Oct-23	1540	4219.5	7041.0	X25721.8	Y44248.4	312	26.5	57.4
0334	Oct-23	1757	4224.5	7050.2	X25814.3	Y44293.6	266	18.0	57.8
0335	Oct-23	2134	4237.2	7032.0	X25777.3	Y44329.4	177	37.2	52.3
0336	Oct-23	2309	4239.3	7030.0	X25779.0	Y44337.0	007	47.3	51.4
0337	Oct-24	0214	4243.9	7038.6	X25858.1	Y44377.2	112	23.8	
0338	Oct-24	0455	4249.5	7044.8	X25929.0	Y44417.9	015	18.6	52.8
0339	Oct-24	0852	4252.1	7036.2	X25893.3	Y44414.9	184	46.5	48.6
0340	Oct-24	1121	4257.7	7027.3	X25875.7	Y44425.6	246	55.0	47.6
0341	Oct-24	1341	4245.1	7024.0	X25781.2	Y44356.1	350	50.0	52.9
0342	Oct-24	1545	4240.1	7017.7	X25715.2	Y44318.7	167	81.2	50.1
0343	Oct-24	1732	4245.0	7017.2	X25744.1	Y44343.5	207	35.8	49.5
0344	Oct-24	1942	4251.1	7011.6	X25753.9	Y44364.3	251	32.8	53.0
0345	Oct-24	2236	4242.2	7001.3	X25647.3	Y44301.0	325	97.9	46.0
0346	Oct-25	0250	4250.8	6943.8	W13402.8	Y44313.9	143	121.9	46.9
0347	Oct-25	0801	4248.9	6918.6	W13269.2	Y44263.3	289	41.8	47.2
0348	Oct-25	0942	4246.8	6918.5	W13281.3	Y44252.6	285	39.6	47.7
0349	Oct-25	1107	4246.9	6919.7	W13286.8	Y44255.3	199	39.6	47.7
0350	Oct-25	1523	4246.2	6916.0	W13270.4	Y44246.1	354	40.2	47.0
0351	Oct-25	1918	4256.9	6916.5	W13210.1	Y44298.4	029	93.0	45.5
0352	Oct-25	2207	4304.2	6909.0	W13123.9	Y44320.3	220	102.3	

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Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0353	Oct-26	0102	4308.6	6912.6	W13116.3	Y44346.5	206	116.7	
0354	Oct-26	0335	4313.8	6910.5	W13073.0	Y44366.3	241	99.0	47.5
0355	Oct-26	0806	4311.8	6856.2	W13006.9	Y44334.3	248	91.0	
0356	Oct-26	1223	4327.7	6831.5	W12775.9	Y44365.1	234	90.8	48.3
0357	Oct-26	1441	4324.4	6824.6	W12763.4	Y44340.5	318	103.3	47.6
0358	Oct-26	1746	4322.2	6811.4	W12713.6	Y44311.8	048	108.0	49.0
0359	Oct-26	2114	4316.0	6750.7	W12658.3	Y44255.9	358	132.9	50.0
0360	Oct-27	0147	4259.6	6756.3	W12786.0	Y44191.9		106.6	47.8
0361	Oct-27	0622	4248.3	6822.4	W12977.5	Y44176.3	189	116.7	48.0
0362	Oct-27	1006	4225.3	6836.0	W13177.6	Y44083.3	019	108.3	47.2
0363	Nov-01	2345	4212.0	7034.5	X25631.8	Y44194.2	139	26.0	54.9
0364	Nov-02	0410	4205.2	7007.0	X25423.2	Y44109.2	296	11.2	55.0
0365	Nov-02	0749	4148.9	6954.4	W13788.3	Y43995.0	336	12.3	55.0
0366	Nov-02	0949	4147.5	6954.2	W13793.7	Y43986.6	341	12.3	54.9
0367	Nov-02	1220	4144.3	6950.5	W13787.5	Y43962.2	351	23.8	54.1
0368	Nov-02	1413	4149.6	6946.8	W13741.9	Y43988.7	178	63.7	48.4
0369	Nov-02	1643	4152.3	6947.3	W13731.4	Y44005.1		63.4	
0370	Nov-02	1947	4209.5	6945.8	W13639.2	Y44100.5	163	118.4	47.6
0371	Nov-02	2334	4233.4	6941.6	W13488.4	Y44222.5	177	141.6	
0372	Nov-03	0214	4223.3	6931.1	W13483.4	Y44152.7	119	134.8	47.2
0373	Nov-03	0443	4212.7	6931.1	W13538.6	Y44096.1	009	127.1	46.6
0374	Nov-03	0740	4209.2	6911.6	W13449.6	Y44049.1	300	108.5	
0375	Nov-03	0948	4201.2	6911.3	W13489.3	Y44005.0	292	113.5	45.5
0376	Nov-03	1231	4152.5	6907.4	W13512.1	Y43951.3	002	113.5	45.8
0377	Nov-03	1453	4154.0	6856.8	W13448.7	Y43946.0	203	94.1	44.4
0378	Nov-03	1719	4156.4	6843.1	W13366.4	Y43942.0	334	83.7	44.3
0379	Nov-03	2107	4208.4	6843.3	W13305.8	Y44006.2	316	106.1	46.5
0380	Nov-04	0049	4220.3	6850.7	W13280.4	Y44078.1	334	117.8	47.5
0381	Nov-04	0930	4257.0	6737.7	W12719.7	Y44155.6	220	117.8	48.2
0382	Nov-04	1213	4252.5	6735.1	W12735.7	Y44132.1	299	125.8	49.0
0383	Nov-04	1543	4244.3	6712.4	W12689.8	Y44067.3	340	129.6	48.9
0384	Nov-04	1748	4238.1	6712.4	W12725.6	Y44039.2	120	156.7	49.1
0385	Nov-04	2034	4240.9	6653.5	W12635.6	Y44030.5	095	110.5	49.0
0386	Nov-04	2331	4250.8	6657.5	W12594.1	Y44078.9	188	117.0	49.8
0387	Nov-05	0453	4320.4	6637.9	W12345.6	Y44180.6	125	54.1	53.5
0388	Nov-05	0726	4318.8	6651.4	W12403.1	Y44190.3	002	105.5	50.1
0389	Nov-05	1042	4340.4	6653.9	W12274.9	Y44280.0	234	81.7	52.3
0390	Nov-05	1324	4354.0	6706.0	W12228.4	Y44347.7	180	88.0	51.6
0391	Nov-05	1554	4348.7	6723.7	W12330.1	Y44351.4	234	114.3	51.1
0392	Nov-05	1824	4353.7	6721.4	W12287.5	Y44367.5	345	123.0	51.2
0393	Nov-05	2029	4404.0	6717.7	W12202.5	Y44401.1	056	87.2	51.0
0394	Nov-05	2249	4400.4	6704.1	W12178.0	Y44369.2	224	84.2	52.4
0395	Nov-06	0136	4406.6	6647.0	W12078.7	Y44369.6	194	79.6	52.9
0396	Nov-06	0417	4416.1	6641.0	W11996.0	Y44395.8	208	105.0	
0397	Nov-06	0641	4418.0	6637.7	W11974.0	Y44398.0	356	108.5	
0398	Nov-06	1042	4414.7	6714.9	W12117.6	Y44436.0	249	105.8	50.7
0399	Nov-06	1415	4420.4	6729.8	W12131.8	Y44477.0	026	54.1	53.2
0400	Nov-06	1625	4416.9	6731.3	W12163.3	Y44466.6	056	61.5	52.7

NOAA Fisheries Service
Autumn Bottom Trawl
2016 Station Information

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0401	Nov-06	1825	4411.3	6731.6	W12204.5	Y44446.9	047	106.4	50.1
0402	Nov-06	2121	4403.6	6736.1	W12276.7	Y44425.2	221	109.4	49.9
0403	Nov-07	0049	4414.4	6755.9	W12282.6	Y44493.6	055	40.7	53.6
0404	Nov-07	0503	4403.3	6800.4	W12382.9	Y44459.3	322	69.4	52.8
0405	Nov-07	0754	4354.9	6750.0	W12396.3	Y44412.3	048	98.2	50.2
0406	Nov-07	1028	4351.4	6757.9	W12455.2	Y44410.4	032	96.0	50.1
0407	Nov-07	1240	4343.3	6803.6	W12536.9	Y44387.0	032	95.1	49.1
0408	Nov-07	1741	4350.5	6835.7	W12642.4	Y44464.5	031	61.0	53.8
0409	Nov-07	1830	4350.4	6835.8	W12644.5	Y44464.0	053	60.7	53.8
0410	Nov-08	0257	4337.0	6855.8	W12841.5	Y44442.1	239	68.9	
0412	Nov-08	1308	4341.7	6931.3	W13011.4	Y44521.2	197	66.4	52.5
0413	Nov-08	1546	4336.1	6927.4	W13024.7	Y44491.5	194	83.9	51.5
0414	Nov-08	1805	4331.6	6934.5	W13096.5	Y44484.7	020	86.4	48.8
0415	Nov-08	2100	4317.8	6931.4	W13166.5	Y44419.3	218	89.7	45.9
0416	Nov-09	0011	4319.1	7001.3	X25871.1	Y44478.3	104	89.7	48.1
0417	Nov-09	0318	4303.0	6956.3	W13405.8	Y44394.9	239	114.6	46.8
0418	Nov-09	0437	4302.0	6957.0	W13416.2	Y44391.2	048	117.3	46.8

*Non-sequential station numbers indicate either a test-tow or no trawl was attempted.

NOAA FISHERIES SERVICE-NEFSC AUTUMN BOTTOM TRAWL SURVEY 2016
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

STATION	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	SILVER HAKE	REDFISH	GOOSEFISH	SPINY DOGFISH	YELLOWTAIL FLOUNDER	WINTER FLOUNDER	AMERICAN PLAICE	WITCH FLOUNDER	WINDOWPANE FLDR	SUMMER FLOUNDER	BLUEFISH	WEAKFISH	SCUP	BLACK SEA BASS	SPOT	CROAKER	BUTTERFISH	AMERICAN LOBSTER	LOLIGO	ILLEX	TOTAL OTHER [1]	TOTAL ALL
11	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	16	31
12	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	34	30	82
13	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	5	25	58
14	0	0	0	0	2	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	180	198
15	0	0	0	0	1	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	52	30	105
16	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	8	63	77
17	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	33	94	136
18	0	0	0	0	10	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	42	70	153
19	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	1012	1031
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	1283	1305
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	0	52	125
22	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	89	0	713	804
23	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	42	0	2450	2497
24	0	0	0	0	3	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	918	931
25	0	0	0	0	3	0	1	1	0	0	0	0	21	0	0	0	0	0	0	0	0	0	3	0	1172	1201
26	0	0	0	0	4	0	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	1677	1701
27	0	0	0	0	61	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	6	6	1	8	127	216
28	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	37	1	659	701
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	11	37
30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	21	8	12	46
31	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	5	20	53
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	61	25	115
33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	35	7	16	62
34	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	38	20	68
35	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	42	32	79
36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	13	44	60
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	58	39	98
38	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	22	38
39	0	0	0	0	5	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	1	406	525
40	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	41	68
41	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	12	0	124	139
42	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	112	192
43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	16	34
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	2	7	39
45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	9	4	109	123
46	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	0	0	14	0	81	100
47	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	52	6	83	144
48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	16	74	105
49	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	15	51	69
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	1	129	152
51	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	300	125	431
52	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	66	87
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	4	71	80

NOAA FISHERIES SERVICE-NEFSC AUTUMN BOTTOM TRAWL SURVEY 2016
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 FLOUNDER	WINDOWPANE FLDR	SUMMER FLOUNDER	BLUEFISH	WEAKFISH	SCUP	BLACK SEA BASS	SPOT	CROAKER	BUTTERFISH	AMERICAN LOBSTER	LOLIGO	ILLEX	TOTAL OTHER [1]	TOTAL ALL
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	36	0	44	82
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	13	0	17	31
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	37	0	23	61
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	23	26
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	12	13
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	146	187	1	0	1	0	91	427
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	16	20
61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	76	123	0	0	1	0	1246	1449
62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	34	37
63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	27	30
64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	95	102
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	115	0	24	143
66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	81	32	115
67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	52	351	412
68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	266	273
69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	7	9
71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	68	0	0	7	0	26	105
72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	7	3	61	72
73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	0	42	243	1	0	0	0	60	355
74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	0	8	0	24	38
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	9	0	48	61
76	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	59	0	0	18	305	6	0	0	0	194	583
77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	1	0	3	0	32	48
78	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	9	0	0	16	130	11	0	1	0	117	287
79	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	27	0	0	8	105	6	0	2	0	237	386
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	1	0	34	976	3	0	2	0	80	1113
81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	21	0	25	51
82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	20	0	578	599
83	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	24	0	46	67	0	0	15	0	16	174
84	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	2	0	26	93	11	0	4	0	28	168
85	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	4	1	0	98	119	3	0	1	0	145	378
86	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	5	0	3	0	0	0	3	0	17	32
87	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4	0	18	23
88	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	40	0	3	12	0	0	1	0	33	91
89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	2	3	1	0	1	0	83	94
90	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	14	0	0	109	28	0	0	2	0	288	445
91	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	10	0	0	253	247	1	0	4	0	142	663
92	0	0	0	0	0	0	0	0	0	0	0	0	1	12	0	23	1	0	196	73	1	0	5	0	218	530
93	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	12	0	1	296	263	8	0	2	0	388	972
94	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	13	0	0	151	103	0	0	2	0	455	726
95	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	175	13	4	241	511	0	0	3	0	371	1320
96	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	8	1	0	102	124	4	0	9	0	3328	3588
97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	6	0	6	16
98	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	0	0	0	0	0	0	0	3	0	79	88

NOAA FISHERIES SERVICE-NEFSC AUTUMN BOTTOM TRAWL SURVEY 2016
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 FLOUNDER	WINDOWPANE FLDR	SUMMER FLOUNDER	BLUEFISH	WEAKFISH	SCUP	BLACK SEA BASS	SPOT	CROAKER	BUTTERFISH	AMERICAN LOBSTER	LOLIGO	ILLEX	TOTAL OTHER [1]	TOTAL ALL
99	0	0	0	0	0	0	0	0	0	0	0	0	1	6	2	6	0	0	13	31	13	0	2	0	524	598
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	986	989
101	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	25	0	126	152
102	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	23	0	43	69
103	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	16	0	157	174
104	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	17	0	2	61	358	0	1	1	0	265	709
105	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	89	0	0	3	44	9	0	0	0	583	735
106	0	0	0	0	0	0	0	0	0	0	0	0	2	19	0	1	12	4	1	69	0	0	6	0	121	235
107	0	0	0	0	0	0	0	0	0	0	0	0	3	8	1	0	8	4	0	38	0	0	3	0	877	942
108	0	0	0	0	0	0	0	0	0	0	0	0	2	7	0	0	57	5	0	51	1	0	5	0	269	397
109	0	0	0	0	0	0	0	0	0	0	0	0	1	6	3	0	12	0	0	111	0	0	6	0	149	288
110	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	7	1	0	1	65	23	0	6	0	96	205
111	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	1	0	5	0	371	381
112	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	2	0	38	44
113	0	0	0	0	0	0	0	0	0	0	0	0	6	12	0	0	0	23	0	14	0	0	4	0	273	332
114	0	0	0	0	0	0	0	0	0	0	0	0	5	7	0	0	0	2	0	0	0	0	1	0	302	317
115	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	6	0	0	0	0	3	0	29	42
116	0	0	0	0	0	0	0	0	0	0	0	0	5	7	0	0	4	2	0	4	0	0	1	0	77	100
117	0	0	0	0	0	0	0	0	0	0	0	0	5	17	1	0	15	7	0	0	0	0	0	0	472	517
118	0	0	0	0	0	0	0	2	0	0	0	0	8	22	0	0	37	10	0	0	0	0	1	0	181	261
119	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	5	1	0	0	0	0	4	0	150	163
120	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	88	112
121	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	2	143	182
122	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	172	1	57	236
123	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	14	0	71	87
124	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	3	0	0	0	0	52	0	61	120
125	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	74	0	224	304
126	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	17	0	320	342
127	0	0	0	0	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	343	353
128	0	0	0	0	2	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	156	169
129	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	1	505	536
130	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	367	13	503
131 [2]	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	43	0	16	8	27	99
132	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	27	0	61	93
133	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	2	15	100
134	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	10	31	74
135	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	29	117	167
136	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	7	31	50
137	0	0	0	3	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	8	33	89
138	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	17	27	62
139	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	10	5	53	76
140	0	0	0	0	6	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	61	2	106	219
141	0	0	0	0	2	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	70	3	36	125
142	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	1	31	71

NOAA FISHERIES SERVICE-NEFSC AUTUMN BOTTOM TRAWL SURVEY 2016
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 FLOUNDER	WINDOWPANE FLDR	SUMMER FLOUNDER	BLUEFISH	WEAKFISH	SCUP	BLACK SEA BASS	SPOT	CROAKER	BUTTERFISH	AMERICAN LOBSTER	LOLIGO	ILLEX	TOTAL OTHER [1]	TOTAL ALL
143	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	67	1	33	109
144	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	82	2	34	121
145	0	0	0	0	1	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	353	2	516	892
146	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	819	842
148	0	0	0	0	1	0	0	0	0	3	0	0	3	9	2	0	392	4	0	0	166	0	38	0	51	669
149	0	0	0	0	0	0	0	0	0	8	0	0	0	11	4	0	54	0	0	0	50	0	18	0	10	155
150	0	0	0	0	27	0	5	0	0	9	0	0	2	30	6	0	335	2	0	0	506	10	179	0	53	1164
151[2]	0	0	0	0	0	0	0	0	0	3	0	0	0	4	2	0	38	1	0	0	6	2	7	0	36	99
152	0	0	0	0	14	0	2	166	0	6	0	0	2	92	0	0	401	6	0	0	39	0	14	0	305	1047
153[2]	4	0	0	0	14	0	11	31	16	16	0	0	1	34	0	0	50	10	0	0	38	5	3	0	317	550
154	0	0	0	0	7	0	9	14	2	22	0	0	20	41	0	0	75	27	0	0	839	0	21	0	445	1522
155	0	0	0	0	0	0	0	0	0	3	0	0	3	30	0	0	111	9	0	0	29	3	65	0	192	445
156	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	5	0	0	0	15	0	20	0	87	131
157	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	7	0	5	0	249	267
158	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	1	0	0	0	1	0	3	0	369	379
159	0	0	0	0	0	0	0	3	0	2	0	0	9	30	0	0	103	9	0	0	64	0	37	0	112	369
160	0	147	0	0	1	0	7	0	0	6	0	0	15	61	0	0	119	4	0	0	10	0	33	0	121	524
161	0	294	0	0	311	0	169	68	1	2	0	0	0	127	0	0	0	0	0	0	107	0	8	0	245	1332
162	0	8	0	0	206	0	145	14	0	0	0	0	0	21	0	0	0	0	0	0	6	2	8	0	221	631
163	0	0	0	0	38	0	7	44	15	26	0	0	3	47	0	0	203	4	0	0	153	1	22	0	721	1284
164	0	0	0	0	88	0	14	705	2	3	0	0	0	13	6	0	16	1	0	0	11	0	74	0	126	1059
165	0	0	0	0	0	0	0	6	0	1	0	0	2	14	0	0	170	30	0	0	4	1	52	0	47	327
166	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	105	19	0	0	0	5	10	0	66	213
167	0	0	0	0	0	0	0	0	0	15	0	0	2	5	0	0	87	2	0	0	1	0	31	0	125	268
168	0	0	0	0	0	0	0	0	0	2	0	0	0	4	0	0	24	3	0	0	2	1	24	0	159	219
169	0	0	0	0	0	0	0	0	0	0	0	0	2	16	1	1	21	2	0	0	27	1	17	0	155	243
170	0	0	0	0	0	0	0	0	0	0	0	0	0	7	13	4	13	0	0	0	3	0	30	0	114	184
171	0	0	0	0	0	0	0	0	0	0	0	0	1	7	1	1	1	0	0	0	4	0	19	0	45	79
172	0	0	0	0	0	0	0	0	0	3	0	0	0	15	1	0	25	17	0	0	0	0	13	0	54	128
173	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	3	4	1	0	0	2	0	19	0	60	99
174	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	23	0	1	0	0	0	0	1	0	377	409
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	3	1	0	0	0	0	1	0	268	287
176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	11	0	0	0	0	0	2	0	172	208
177	0	0	0	0	0	0	0	0	0	0	0	0	4	28	0	5	22	2	0	0	0	0	3	0	395	459
178	0	0	0	0	0	0	0	0	0	0	0	0	4	6	0	2	21	0	0	1	0	0	2	0	150	186
179	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	8	8	3	1	0	1	0	2	0	124	151
180	0	0	0	0	0	0	1	1	0	7	0	0	2	3	1	7	6	5	0	4	2	17	0	0	337	393
181	0	0	0	0	0	0	0	14	0	0	0	0	0	1	3	4	24	3	0	1	19	0	6	0	103	178
182	0	0	0	0	0	0	0	21	0	0	0	0	1	0	5	1	4	2	0	1	15	0	5	0	71	126
183	0	0	0	0	0	0	0	6	0	0	0	0	1	2	3	3	6	2	0	0	3	0	4	0	58	88
184	0	5	0	0	3	0	7	150	2	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0	66	271
185	0	97	0	0	47	0	41	39	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	147	372
186	0	185	0	0	158	0	41	148	0	0	0	0	0	2	0	0	0	0	0	0	7	0	1	0	281	823
187	0	0	0	0	3	0	26	6	0	0	0	0	0	0	0	0	0	0	0	0	40	1	20	0	43	139

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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 FLOUNDER	WINDOWPANE FLDR	SUMMER FLOUNDER	BLUEFISH	WEAKFISH	SCUP	BLACK SEA BASS	SPOT	CROAKER	BUTTERFISH	AMERICAN LOBSTER	LOLIGO	ILLEX	TOTAL OTHER [1]	TOTAL ALL
188	0	0	0	0	2	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	11	3	26	72
189	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	15	4	8	43
190	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	29	9	15	88
191	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	18	7	46	101
192	0	0	0	0	31	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	34	1	15	1	93	216
195	0	0	0	0	27	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	27	0	62	142
196	0	0	0	0	3	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140	5	29	245
197	0	0	0	0	4	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	22	69
198	0	0	0	0	6	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	2	12	30	121
199	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	3	108	20	189
200	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	21	4	10	57
201	0	0	0	0	34	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	41	1	62	189
202	0	0	0	0	1	0	6	0	2	3	0	0	0	27	0	0	20	0	0	0	1	0	183	0	1078	1321
203	0	0	0	0	0	0	0	0	0	1	0	0	12	12	0	0	50	0	0	0	0	0	28	0	122	225
204	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	77	0	0	0	0	0	19	0	211	349
205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	28	0	28	66
206	0	0	0	0	1	0	0	0	1	0	0	0	4	3	0	0	2	0	0	0	9	9	27	0	319	375
207	0	0	0	0	36	0	8	125	0	1	0	0	14	7	0	0	0	0	0	0	13	11	10	0	1202	1427
208	0	108	0	0	2	0	21	161	20	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	587	903
209	0	115	0	0	4	0	12	49	3	3	0	0	0	0	0	0	0	0	0	0	0	19	2	6	205	418
210	12	1434	0	8	2	177	97	791	0	6	0	1	0	0	0	0	0	0	0	0	0	3	0	1	247	2779
211	0	159	0	0	2	1	11	841	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	610	1627
212	46	3515	0	9	121	411	15	107	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	113	4340
213	0	337	0	0	8	0	6	10141	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	451	10951
214[2]	48	46	0	3	191	0	3	83	15	21	0	0	0	0	0	0	0	0	0	0	0	6	0	0	940	1356
215	23	109	0	3	80	0	34	2510	25	7	0	0	0	0	0	0	0	0	0	0	0	6	0	0	1357	4154
216	0	0	0	0	1	0	0	7973	11	55	0	0	6	19	0	0	0	0	0	0	0	31	3	0	999	9098
217[2]	0	0	0	0	0	0	0	62196	1	4	0	0	2	0	0	0	0	0	0	0	0	4	0	0	84	62291
222	0	103	0	0	86	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	17	0	63	275
223	0	0	0	2	21	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	1	186	230
224	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	1	8	123	167
225	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	8	3	43	102
227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	111	114
228	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	15	0	13	90
229	0	0	0	0	11	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	7	3	49	74
230	0	7427	0	0	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	65	7605
231	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	36	53
232	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	40	0	337	380
233[2]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	15	17
234	0	0	0	0	0	0	0	5	0	0	0	0	1	0	0	0	0	0	0	0	1	2	63	2	19	93
235	0	3	0	0	1	0	0	120	0	0	0	0	6	2	0	0	0	0	0	0	28	14	3	0	137	314
236[2]	0	0	0	0	0	0	0	45	0	0	0	0	4	9	5	0	0	0	0	0	50	0	46	1	81	241
237	0	1	0	0	0	0	0	57	0	3	0	0	14	0	0	0	0	0	0	0	18	3	18	2	242	358
238	0	2	0	0	0	0	0	21	0	3	0	0	4	0	0	0	0	0	0	0	0	0	17	0	295	342

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239	0	1	0	0	0	0	0	13	0	2	0	0	5	0	0	0	0	0	0	0	0	0	16	0	773	810
240	0	0	0	0	0	0	0	233	0	0	0	0	1	5	0	0	0	0	0	0	1	0	12	0	952	1204
241	0	0	0	0	1	0	0	30	0	0	0	0	57	36	0	0	0	0	0	0	290	0	8	0	353	775
242[2]	0	0	0	0	0	0	4	5	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	115
244	0	6	0	0	29	0	10	77	0	39	0	0	0	0	0	0	0	0	0	0	0	3	7	11	433	615
245	0	378	0	1	26	0	65	0	2	2	10	0	0	0	0	0	0	0	0	0	0	3	2	1	1060	1550
246	0	11	0	0	4	0	14	0	0	3	0	0	0	0	0	0	0	0	0	0	0	7	1	1	758	799
247	0	1668	0	2	705	4	37	2	0	0	4	38	0	0	0	0	0	0	0	0	0	0	0	0	329	2789
248	0	1963	0	18	569	1	15	2	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	149	2721
249	5	297	0	1	209	52	0	13	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	88	668
250	0	83	12	40	366	343	0	5	0	0	0	6	0	0	0	0	0	0	0	0	0	4	0	0	163	1022
251	19	21	4	30	156	77	0	6595	0	0	0	3	0	0	0	0	0	0	0	0	0	6	0	0	156	7067
252	0	103	5	8	135	57	20	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	404
253	0	569	18	36	292	101	31	78	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	70	1197
254	0	2415	0	1	69	2	22	3	2	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	784	3304
255[2]	70	767	0	0	5	0	0	4	0	41	0	0	2	0	0	0	0	0	0	0	0	24	5	0	381	1299
256	34	1027	0	1	1	0	8	7	0	33	0	0	3	0	0	0	0	0	0	0	0	67	11	0	451	1643
257	0	0	0	0	3	0	0	167	0	0	0	0	5	0	4	0	0	0	0	0	21	1	7	0	1407	1615
258	0	0	0	0	0	0	0	101	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4	0	169	275
259	0	0	0	0	1	0	0	210	0	0	0	0	4	0	0	0	0	0	0	0	0	0	7	1	497	720
260[2]	0	0	0	0	0	0	0	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	20	25
261	0	1	0	0	2	0	0	21	0	0	0	0	2	0	0	0	0	0	0	0	4	0	10	0	146	186
262	0	0	0	0	0	0	0	32	0	0	0	0	0	2	0	0	0	0	0	0	0	0	6	0	53	93
263	0	1	0	0	5	0	0	10	0	0	0	0	1	0	0	0	0	0	0	0	0	4	21	0	66	108
264	0	0	0	0	3	0	2	4	0	0	0	0	1	8	0	0	0	0	0	0	0	1	20	0	169	208
265	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	4	19	0	94	121
266	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	0	97	194
267	0	0	0	0	16	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	23	0	141	182
268	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	95	138
269	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	25	56
270	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	397	417
271	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	82
272	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	3	23	37
273	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	14	3	36	59
274	0	69	0	0	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	24	9	0	336	444
275	0	0	0	0	10	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	45	0	34	31	121
276	0	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	0	43	7	177	386
277	0	0	0	0	103	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	13	11	145	279
278	0	0	0	1	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0	5	115	180
279	0	1	0	0	11	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	12	37	0	202	270
280	0	0	0	0	44	0	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	32	23	0	211	349
281	0	0	0	0	219	0	0	264	0	0	0	0	0	0	0	0	0	0	0	0	0	49	7	0	165	704
282	0	3	0	0	129	0	9	250	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	1	161	572
283	0	6808	0	3	7	0	94	20	2	20	0	0	0	0	0	0	0	0	0	0	0	52	0	0	351	7357

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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 FLOUNDER	WINDOWPANE FLDR	SUMMER FLOUNDER	BLUEFISH	WEAKFISH	SCUP	BLACK SEA BASS	SPOT	CROAKER	BUTTERFISH	AMERICAN LOBSTER	LOLIGO	ILLEX	TOTAL OTHER [1]	TOTAL ALL
284	0	162	0	0	1	0	0	163	5	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	509	866
285	0	40	0	0	1	0	0	288	1	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0	515	885
286	0	578	0	1	4	0	0	365	1	0	0	0	6	0	0	0	0	0	0	0	0	103	0	0	95	1153
287	0	440	0	0	5	0	0	120	2	3	0	0	20	6	0	0	0	0	0	0	0	15	1	0	396	1008
288	0	21	0	1	1	0	0	241	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	229	496
289[2]	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	28
290	0	145	0	0	5	0	0	81	12	7	0	0	15	0	0	0	0	0	0	0	1	2	0	1	287	556
291	0	149	0	0	11	0	8	15	21	4	0	0	0	0	0	0	0	0	0	0	2	22	0	0	272	504
292	0	200	0	0	6	0	7	28	23	17	0	0	2	0	0	0	0	0	0	0	3	35	0	0	331	652
293	0	356	0	0	7	0	0	33	3	0	0	0	2	5	0	0	0	0	0	0	1	10	5	3	324	749
294	0	4	0	0	0	0	0	27	10	4	0	0	1	2	0	0	0	0	0	0	0	0	33	1	249	331
295	0	5	0	0	0	0	0	225	1	0	0	0	1	0	0	0	0	0	0	0	0	0	17	2	26	277
296[2]	6	15	0	0	0	0	5	6	0	7	0	0	0	0	0	0	0	0	0	0	0	2	1	0	28	70
297	35	426	0	0	5	0	0	219	1	53	0	0	6	0	0	0	0	0	0	0	8	3	19	0	718	1493
298	307	335	3	0	7	0	5	45	1	39	0	0	0	0	0	0	0	0	0	0	0	8	0	0	9796	10546
299	616	965	23	6	3	0	0	2	70	26	0	0	0	0	0	0	0	0	0	0	0	15	0	0	1345	3071
300	0	64	0	6	28	0	38	0	0	0	0	23	0	0	0	0	0	0	0	0	0	54	0	1	116	330
301	29	1266	0	0	5	0	38	80	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	172	1601
302[2]	0	126	0	0	0	0	45	1	0	0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	53	272
303	0	208	0	0	3	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	0	0	85	435
304[2]	296	593	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	94	1047
305[2]	0	23	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	10	40
306	13	1233	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	1	70	1333
307	26	700	0	7	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0	1	64	834
308	0	267	3	19	0	159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1	29	482
309	0	16	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	49
310[2]	0	120	7	0	0	0	0	3828	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	27	3989
311[2]	3	78	1	0	0	0	0	403	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	17	509
312	0	127	2	15	43	0	20	235	0	0	0	1	0	0	0	0	0	0	0	0	0	4	0	0	50	497
313	143	5448	0	1	10	0	30	0	0	42	0	0	0	0	0	0	0	0	0	0	0	50	1	0	657	6382
314	0	707	0	34	156	0	49	11	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	1	48	1013
316	0	100	0	14	144	114	83	45	0	0	266	20	0	0	0	0	0	0	0	0	0	0	0	0	210	996
317	43	744	0	34	207	1	16	173	0	25	3	0	0	0	0	0	0	0	0	0	0	0	0	1	878	2125
318	13	225	0	5	429	40	18	59	0	3	48	2	0	0	0	0	0	0	0	0	0	0	0	0	230	1072
319	0	0	0	0	10	2	3	24554	30	33	0	0	1	0	0	0	0	0	0	0	0	1	22	0	61	24717
320[2]	0	0	0	0	250	0	0	162	2	58	0	0	0	5	0	0	0	0	0	0	6	219	26	0	800	1528
321	0	1	0	0	302	0	0	262	2	42	0	0	0	11	0	0	0	0	0	0	6	158	27	0	2950	3761
322	3	0	0	9	211	0	6	21	55	48	4	0	1	0	0	0	0	0	0	0	15	98	21	0	126	618
323	0	0	0	3	447	0	2	177	8	70	0	0	1	0	12	0	0	1	0	0	26	147	51	0	138	1083
324	0	0	0	0	54	0	2	40	1	37	0	0	21	6	0	0	0	0	0	0	7	52	131	0	48	399
325	0	0	0	0	114	0	2	21	1	62	0	0	19	7	0	0	0	17	0	0	3	5	31	0	110	392
326	0	0	0	0	42	0	0	0	0	87	0	0	24	2	0	0	0	3	0	0	2	0	39	0	206	405
327	0	0	0	0	50	0	0	0	0	43	0	0	4	0	0	0	6	4	0	0	3	28	48	0	69	255

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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 FLOUNDER	WINDOWPANE FLDR	SUMMER FLOUNDER	BLUEFISH	WEAKFISH	SCUP	BLACK SEA BASS	SPOT	CROAKER	BUTTERFISH	AMERICAN LOBSTER	LOLIGO	ILLEX	TOTAL OTHER [1]	TOTAL ALL
328	0	0	0	0	262	0	5	6	1	21	0	0	4	0	0	0	0	0	0	0	4	90	1	0	131	525
329	0	0	0	0	176	0	1	0	2	27	0	0	3	0	0	0	0	3	0	0	1	143	1	0	136	493
330	0	0	0	0	0	0	0	15	1	39	0	0	0	0	0	0	1	0	0	0	0	124	11	0	30	221
331	0	272	0	0	32	0	8	193	68	55	2	1	0	0	0	0	0	0	0	0	32	64	6	0	99	832
332[2]	0	0	1	0	1	0	0	143	8	40	0	0	0	0	0	0	1	0	0	0	5	111	9	0	34	353
333	11	0	0	0	50	0	7	157	12	87	0	0	0	0	0	0	0	1	0	0	1	292	16	0	73	707
334	11	0	0	0	23	0	2	3	8	35	0	0	4	0	0	0	2	1	0	0	3	312	5	0	138	547
335	0	136	0	4	62	4	18	4	142	22	18	0	0	0	0	0	0	0	0	0	0	357	1	0	106	874
336	7	244	0	6	73	2	14	92	4	3	25	0	1	0	0	0	0	0	0	0	0	99	3	0	41	614
337	0	0	0	1	101	0	2	4	76	29	1	0	5	1	0	0	1	0	0	0	2	280	1	0	196	700
338	0	0	0	0	14	0	3	0	40	6	0	0	3	0	0	0	0	0	0	0	0	189	29	0	296	580
339	16	281	0	16	70	0	22	432	2	2	18	0	0	0	0	0	0	0	0	0	27	68	7	134	4907	6002
340	4	226	1	13	217	0	29	989	1	1	14	2	0	0	0	0	0	0	0	0	73	43	3	6	1099	2721
341	0	294	0	3	62	7	28	170	0	1	12	7	0	0	0	0	0	0	0	0	5	16	6	3	235	849
342	5	83	0	14	54	38	38	49	0	0	8	31	0	0	0	0	0	0	0	0	6	0	3	0	120	449
343	142	333	1	0	85	0	27	62	54	21	0	1	0	0	0	0	0	0	0	0	1	2	0	5	163	897
344	387	353	166	2	210	0	0	1690	15	35	0	0	0	0	0	0	0	0	0	0	0	2	0	2	156	3018
345	0	304	36	17	215	542	54	1052	0	0	33	3	0	0	0	0	0	0	0	0	0	0	0	0	131	2387
346	0	226	0	39	172	28	2	84	0	0	9	1	0	0	0	0	0	0	0	0	0	0	0	0	66	627
347	450	954	124	0	1	0	211	25	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	1848
348[2]	648	525	486	0	0	0	101	22	3	0	1	0	0	0	0	0	0	0	0	0	0	17	0	0	50	1853
349	20	159	1	0	28	0	83	17	30	0	1	0	0	0	0	0	0	0	0	0	0	18	0	2	152	511
350[2]	15	53	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3	78
351	0	55	0	33	159	79	41	16	0	0	61	1	0	0	0	0	0	0	0	0	0	0	0	0	123	568
352	0	267	0	16	139	38	47	52	0	0	126	4	0	0	0	0	0	0	0	0	0	0	0	0	101	790
353	0	53	0	15	389	33	26	342	0	0	142	2	0	0	0	0	0	0	0	0	0	0	0	0	127	1129
354	0	93	0	18	312	92	22	1152	0	0	124	9	0	0	0	0	0	0	0	0	0	0	0	1	97	1920
355	0	220	0	31	119	229	18	2156	0	0	80	7	0	0	0	0	0	0	0	0	0	0	0	0	121	2981
356	0	1212	0	63	263	1682	68	76	0	0	13	10	0	0	0	0	0	0	0	0	0	0	1	2	97	3487
357	20	89	0	13	241	56	30	19	0	0	48	8	0	0	0	0	0	0	0	0	0	0	0	0	98	622
358	0	70	0	38	975	18	33	1	0	0	7	1	0	0	0	0	0	0	0	0	0	2	0	0	65	1210
359	0	314	0	51	924	20	18	1	0	0	9	0	0	0	0	0	0	0	0	0	0	7	0	0	66	1410
360	0	162	0	5	303	46	3	18	0	0	23	3	0	0	0	0	0	0	0	0	0	2	0	0	55	620
361	0	17	0	28	320	339	26	1	0	0	17	1	0	0	0	0	0	0	0	0	0	2	0	0	66	817
362	0	534	0	26	215	659	9	10	0	0	32	1	0	0	0	0	0	0	0	0	0	0	0	0	110	1596
363	18	0	0	0	218	0	4	8	144	103	0	0	3	2	0	0	1	0	0	0	2	116	3	0	209	831
364	0	0	0	0	1084	0	0	0	19	92	0	0	33	10	0	0	0	0	0	0	2	0	79	0	818	2137
365	1	0	0	0	363	0	0	18360	4	15	0	0	1	3	0	0	2	0	0	0	0	0	79	0	527	19355
366	0	0	0	0	17	0	12	4255	3	10	0	0	0	10	0	0	4	0	0	0	0	7	63	0	230	4611
367	0	0	0	0	635	0	12	723	16	39	0	0	2	1	0	0	1	2	0	0	312	5	82	0	578	2408
368	0	9	0	21	848	0	9	56	0	0	3	9	0	0	0	0	0	0	0	0	5	17	40	1	854	1872
369	3	348	0	27	394	0	32	39	0	0	2	25	0	0	0	0	0	0	0	0	3	53	3	3	580	1512
370	0	196	0	4	232	16	8	64	0	0	2	1	0	0	0	0	0	0	0	0	0	5	0	4	204	736
371	0	336	2	4	127	10	8	9	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	27	537

NOAA FISHERIES SERVICE-NEFSC AUTUMN BOTTOM TRAWL SURVEY 2016
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	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	SILVER HAKE	REDFISH	GOOSEFISH	SPINY DOGFISH	YELLOWTAIL FLOUNDER	WINTER FLOUNDER	AMERICAN PLAICE	WITCH FLOUNDER	WINDOWPANE FLDR	SUMMER FLOUNDER	BLUEFISH	WEAKFISH	SCUP	BLACK SEA BASS	SPOT	CROAKER	BUTTERFISH	AMERICAN LOBSTER	LOLIGO	ILLEX	TOTAL OTHER [1]	TOTAL ALL
372	0	44	0	8	100	2	8	42	0	0	12	0	0	0	0	0	0	0	0	0	0	4	0	1	23	244
373	0	33	0	3	102	10	16	139	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	2	40	359
374	0	625	0	25	154	11	12	19	0	0	55	1	0	0	0	0	0	0	0	0	0	0	0	1	127	1030
375	0	418	0	4	70	10	19	7	0	0	49	5	0	0	0	0	0	0	0	0	0	0	0	0	133	715
376	0	601	1	22	169	6	13	28	0	0	24	6	0	0	0	0	0	0	0	0	0	0	0	1	945	1816
377	16	766	0	12	581	63	39	8	0	0	17	30	0	0	0	0	0	0	0	0	0	0	0	0	241	1773
378	10	517	0	17	296	36	66	8	0	0	51	28	0	0	0	0	0	0	0	0	0	0	0	1	620	1650
379	0	1072	0	25	344	25	16	0	0	0	34	8	0	0	0	0	0	0	0	0	0	0	0	0	326	1850
380	0	195	0	28	505	25	82	0	0	0	20	2	0	0	0	0	0	0	0	0	0	0	0	0	204	1061
381	0	253	0	15	261	65	22	13	0	0	2	0	0	0	0	0	0	0	0	0	0	7	0	0	38	676
382	0	88	8	52	99	224	32	48	0	0	1	0	0	0	0	0	0	0	0	0	0	11	0	0	84	647
383	0	171	10	61	71	549	0	238	0	0	0	3	0	0	0	0	0	0	0	0	0	7	0	0	118	1228
384	0	12	0	28	145	3	33	3	0	0	3	1	0	0	0	0	0	0	0	0	0	14	0	0	67	309
385	0	147	0	24	58	5	27	0	0	0	0	6	0	0	0	0	0	0	0	0	0	17	0	1	46	331
386	0	146	7	6	32	77	5	118	0	0	0	1	0	0	0	0	0	0	0	0	0	23	0	1	101	517
387	0	126	2	2	15	0	28	61	0	56	0	0	0	0	0	0	0	0	0	0	1	29	1	1	92	414
388	8	9	15	18	67	2	28	8	0	2	1	0	0	0	0	0	0	0	0	0	0	32	0	1	37	228
389	3	102	0	25	24	5	27	24	0	0	1	4	0	0	0	0	0	0	0	0	0	23	0	1	16	255
390	11	297	0	23	98	47	0	50	0	0	0	2	0	0	0	0	0	0	0	0	0	45	0	1	31	605
391	9	65	0	192	261	1246	45	91	0	0	0	7	0	0	0	0	0	0	0	0	3	34	0	2	50	2005
392	0	23	0	54	782	24	25	1054	0	0	0	1	0	0	0	0	0	0	0	0	0	17	0	1	73	2054
393	1	4	0	30	337	2	36	0	0	0	6	4	0	0	0	0	0	0	0	0	0	3	0	0	51	474
394	3	10	0	131	202	1	39	220	0	0	2	26	0	0	0	0	0	0	0	0	0	35	0	0	45	714
395	6	226	0	5	36	0	4	11	0	1	0	1	0	0	0	0	0	0	0	0	5	94	0	0	35	424
396	40	475	0	43	214	42	22	9	0	0	0	8	0	0	0	0	0	0	0	0	0	14	0	0	128	995
397	83	763	0	104	973	6	4	54	0	0	0	1	0	0	0	0	0	0	0	0	0	6	0	0	75	2069
398	0	13	0	184	189	76	0	360	0	0	0	23	0	0	0	0	0	0	0	0	0	22	0	0	29	896
399	0	0	0	3	68	8	1	22	0	12	0	1	0	0	0	0	0	0	0	0	0	212	0	0	40	367
400	0	0	0	10	63	0	0	3	0	9	0	0	0	0	0	0	0	0	0	0	0	134	0	1	26	246
401	0	14	0	68	321	5	23	171	0	0	0	6	0	0	0	0	0	0	0	0	0	32	0	0	29	669
402	0	10	1	52	331	24	12	320	0	0	25	4	0	0	0	0	0	0	0	0	0	12	0	0	43	834
403	0	1	0	3	142	2	3	8	0	2	2	0	0	0	0	0	0	0	0	0	0	307	3	0	46	519
404	0	0	0	47	14	0	15	7	0	2	2	0	0	0	0	0	0	0	0	0	0	334	0	0	21	442
405	0	6	1	54	294	3	24	401	0	0	9	4	0	0	0	0	0	0	0	0	0	37	0	1	115	949
406	0	20	0	38	77	0	27	66	0	0	25	1	0	0	0	0	0	0	0	0	0	53	0	0	92	399
407	0	312	0	40	366	64	79	29	0	0	45	36	0	0	0	0	0	0	0	0	0	7	0	1	68	1047
408 [2]	0	0	0	4	67	9	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	46	0	0	12	141
409	0	0	0	16	155	0	6	13	0	2	1	0	0	0	0	0	0	0	0	0	4	247	0	1	43	488
410	7	0	0	11	387	0	16	22	0	5	5	2	0	0	0	0	0	0	0	0	1	254	0	4	51	765
412	0	0	0	12	187	0	1	0	1	5	4	0	1	0	0	0	4	0	0	0	0	187	1	0	39	442
413	0	0	0	17	157	0	23	340	0	1	21	1	0	0	0	0	0	0	0	0	0	43	0	0	37	640
414	0	0	0	36	603	0	14	77	0	0	36	3	0	0	0	0	0	0	0	0	0	13	0	2	66	850
415	0	65	0	20	224	157	30	29	0	0	120	2	0	0	0	0	0	0	0	0	0	8	0	1	173	829
416	0	433	0	11	424	6	104	75	0	0	120	22	0	0	0	0	0	0	0	0	0	24	0	0	229	1448

NOAA FISHERIES SERVICE-NEFSC AUTUMN BOTTOM TRAWL SURVEY 2016
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 FLOUNDER	WINDOWPANE FLDR	SUMMER FLOUNDER	BLUEFISH	WEAKFISH	SCUP	BLACK SEA BASS	SPOT	CROAKER	BUTTERFISH	AMERICAN LOBSTER	LOLIGO	ILLEX	TOTAL OTHER [1]	TOTAL ALL
417[2]	0	45	0	1297	122	5	1	159	0	0	27	3	0	0	0	0	0	0	0	0	0	0	0	0	57	1716
418	0	112	0	37	421	2	12	280	0	0	63	13	0	0	0	0	0	0	0	0	0	0	0	2	121	1063
TOTAL	3749	62815	985	3750	28519	8335	4250	164045	1036	1889	1980	491	514	1113	115	602	2886	284	1954	4594	3595	6942	5923	1872	103281	415519

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

[2] Excluded from stock assessment due to an unacceptable tow evaluation code.

[3] Non-sequential station numbers indicate either a test-tow or no trawl was attempted

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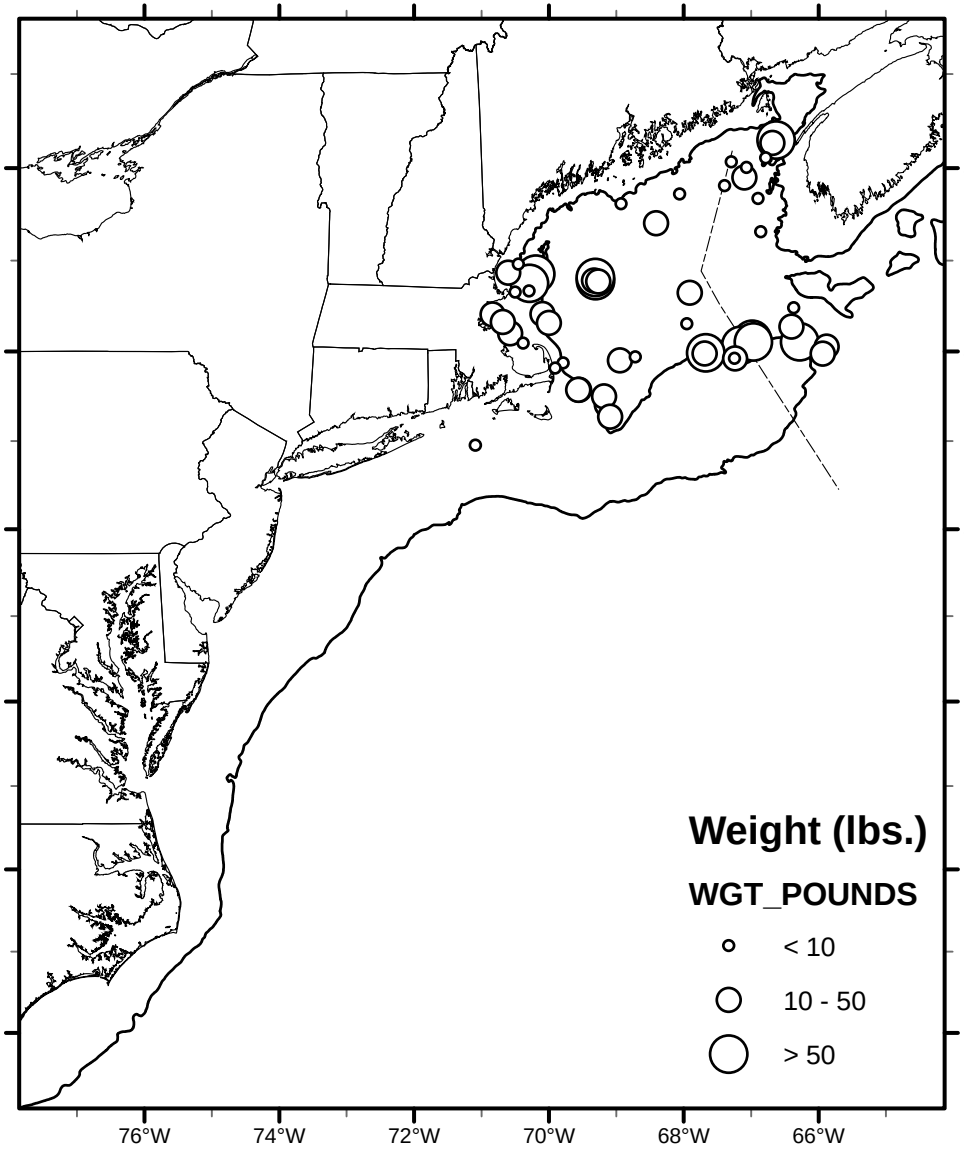
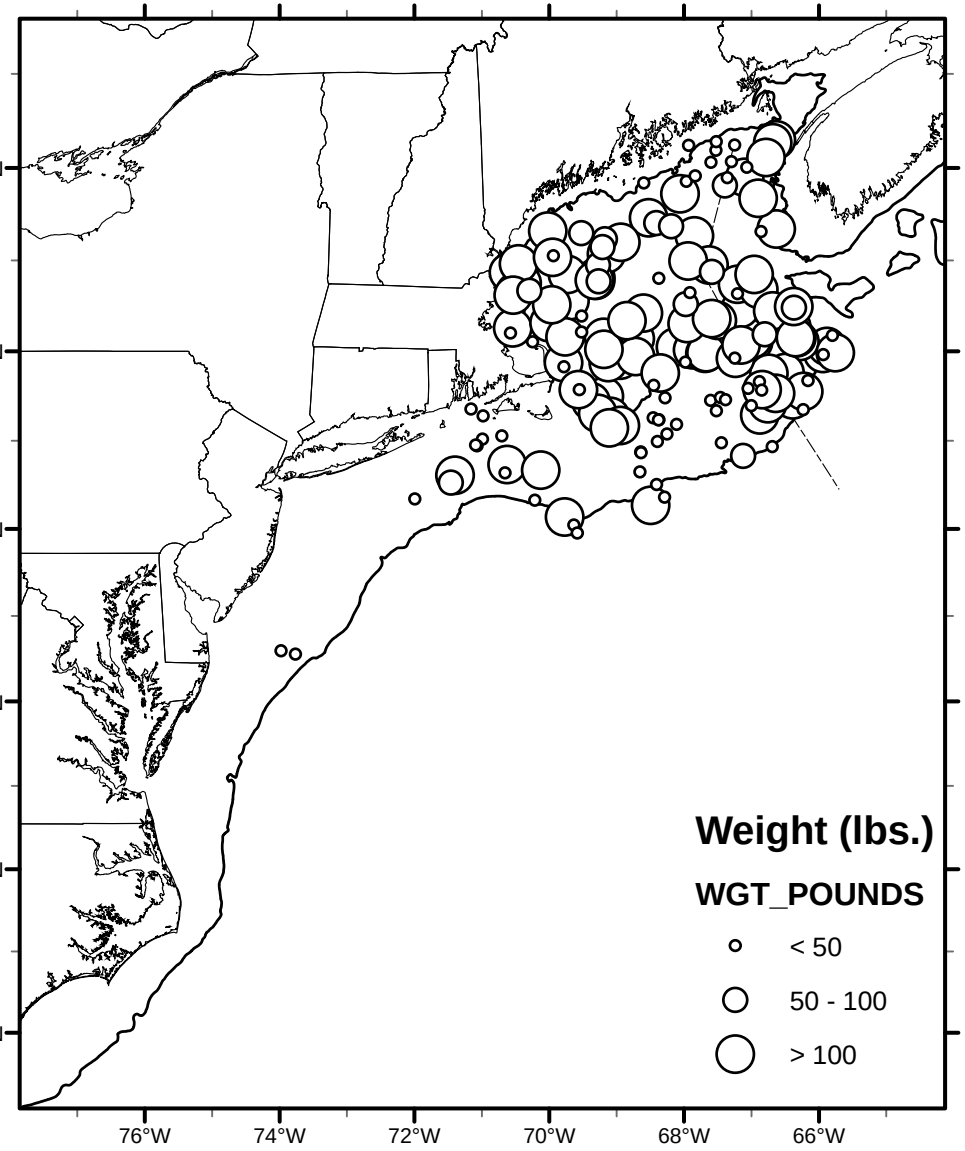
ATLANTIC COD



HADDOCK



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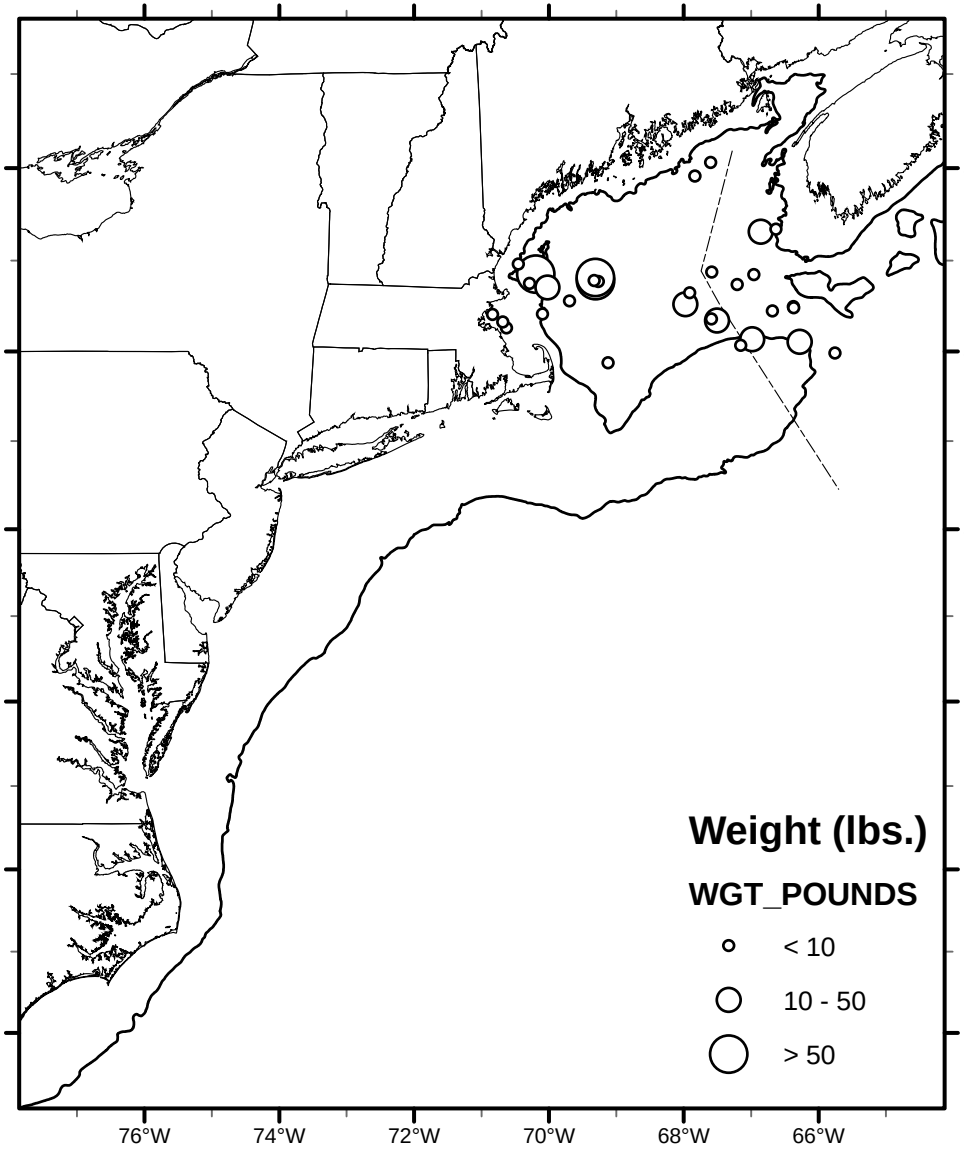
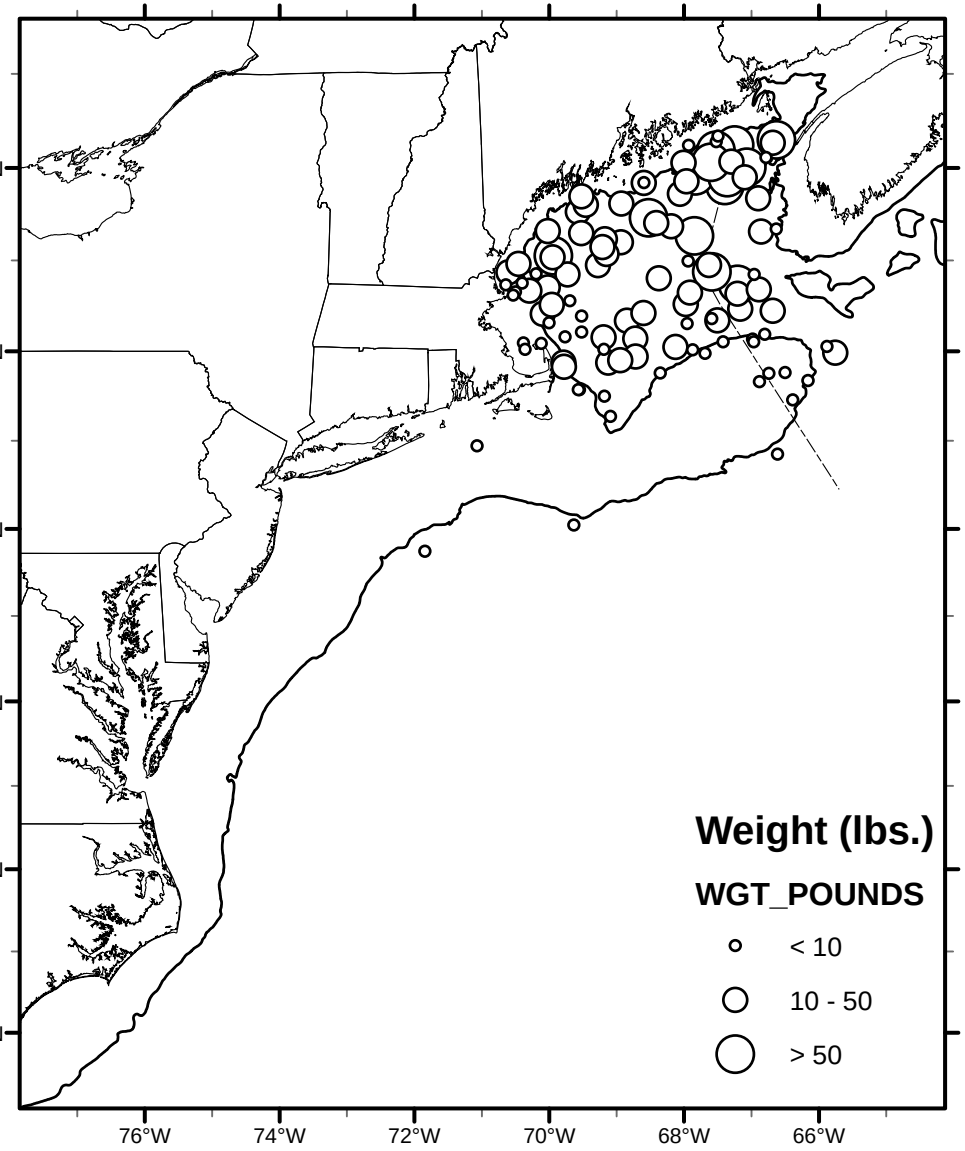
POLLOCK



WHITE HAKE



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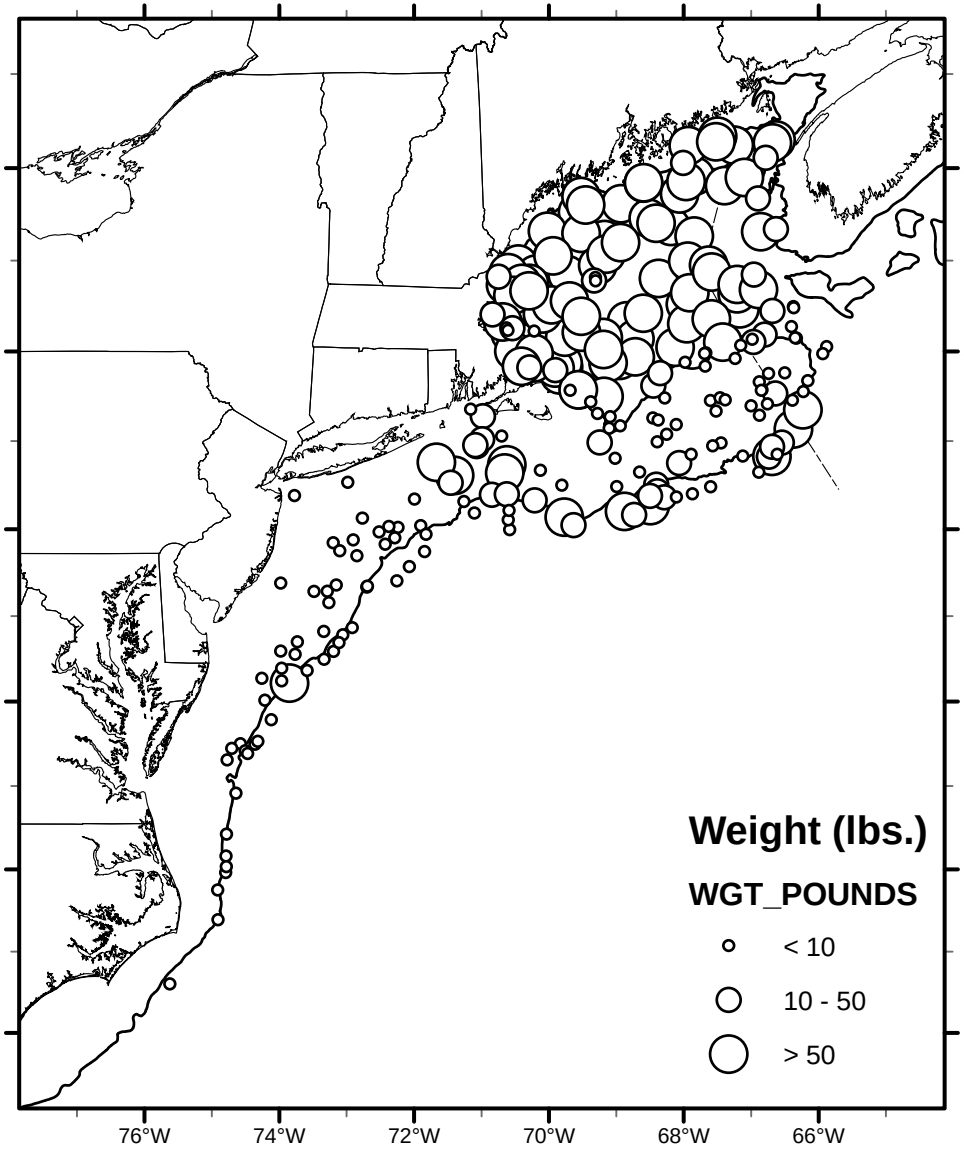
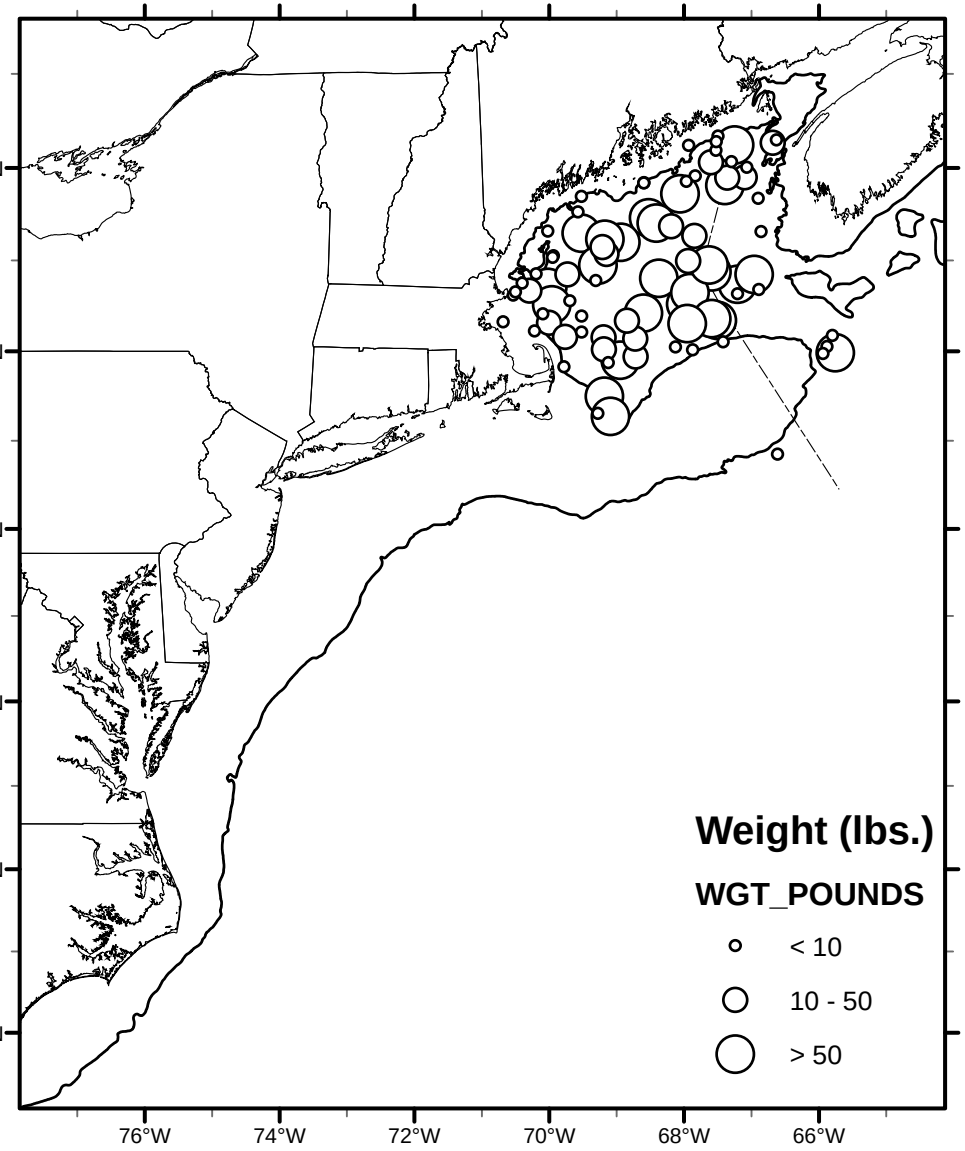
SILVER HAKE



ACADIAN REDFISH



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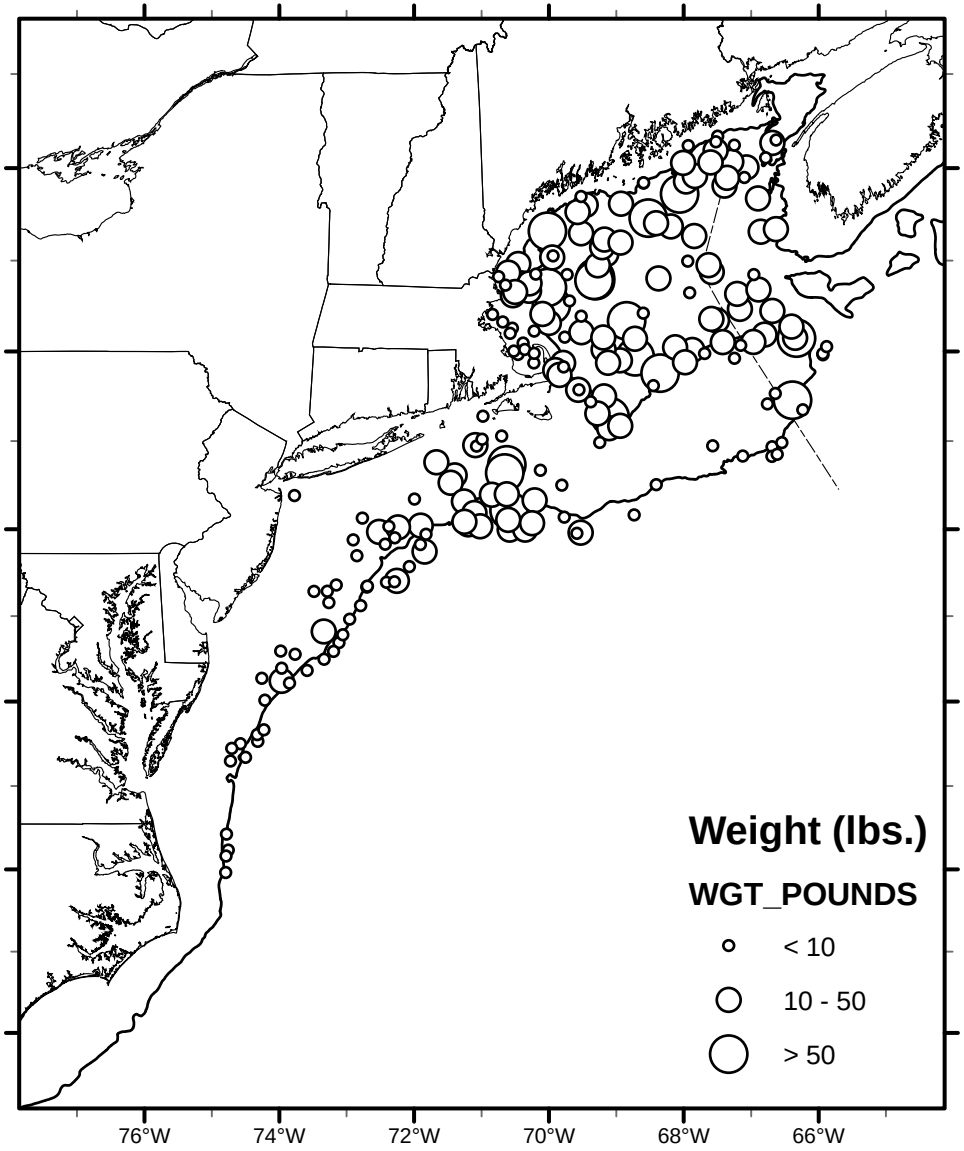
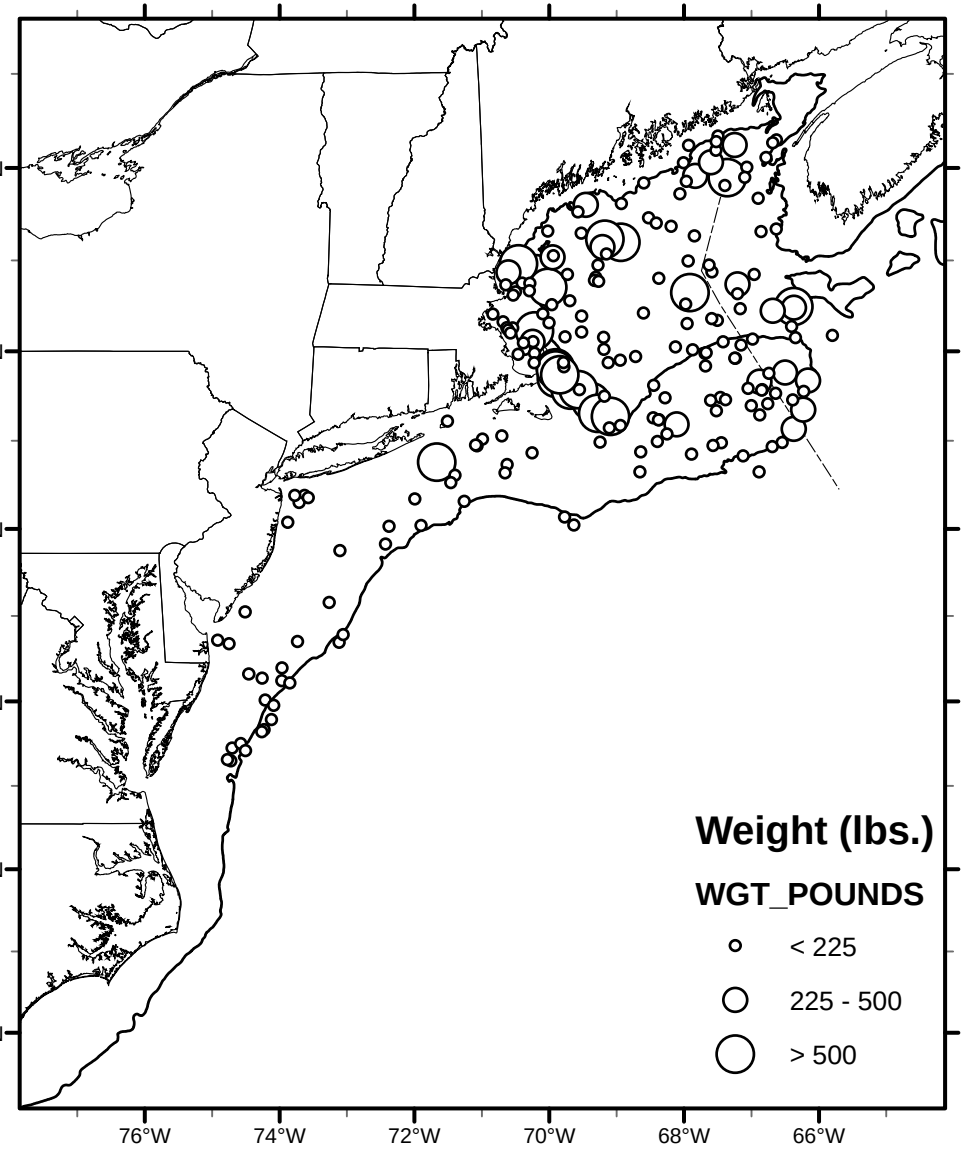
GOOSEFISH



SPINY DOGFISH



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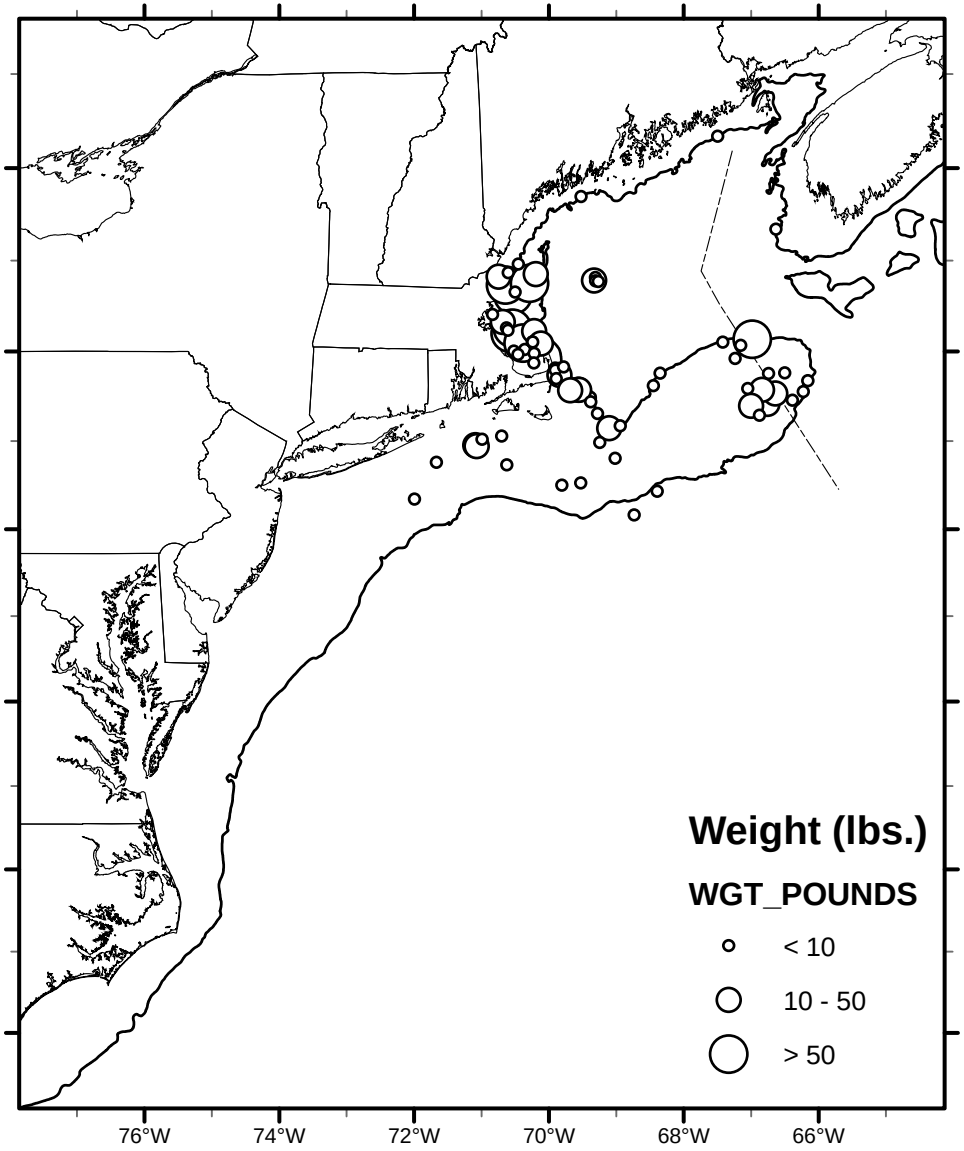
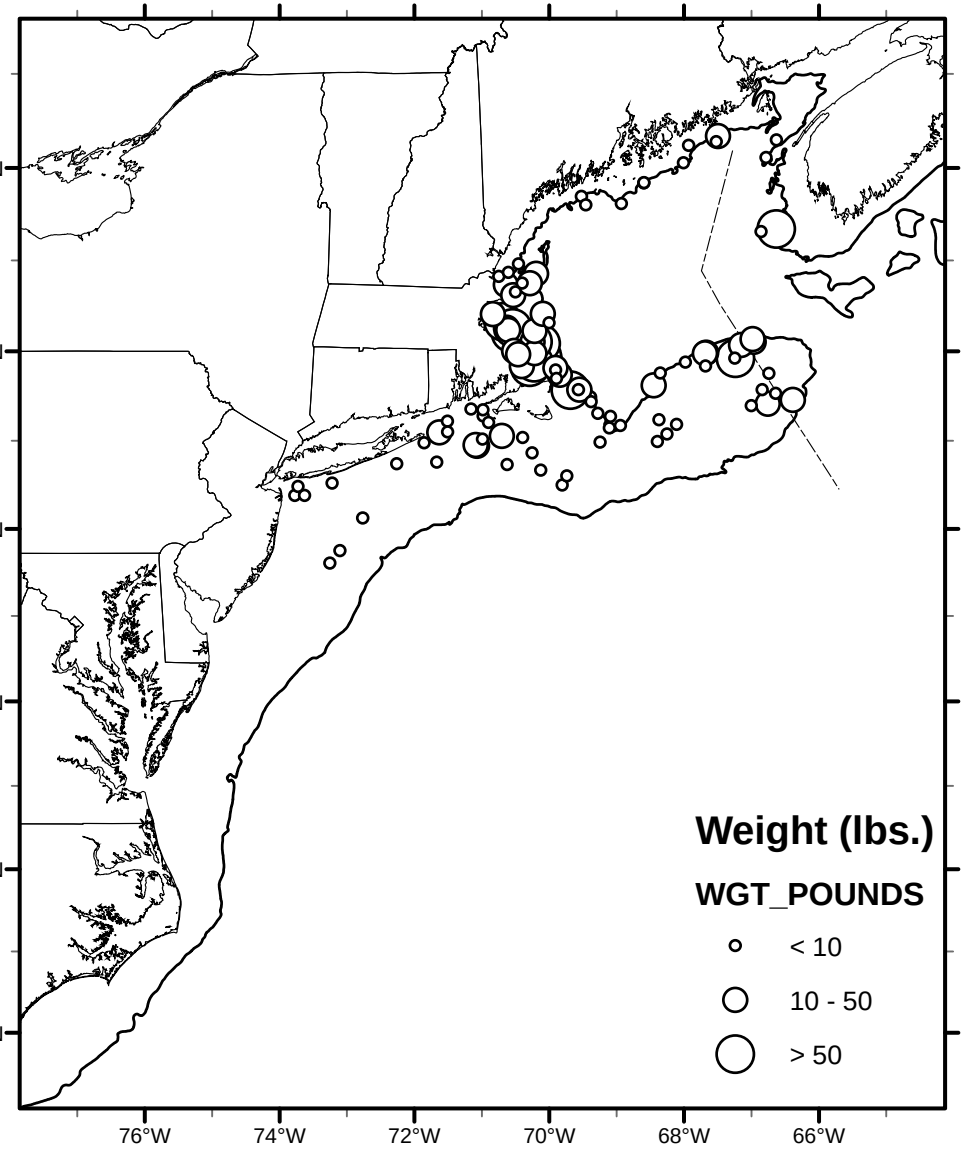
YELLOWTAIL FLOUNDER



WINTER FLOUNDER



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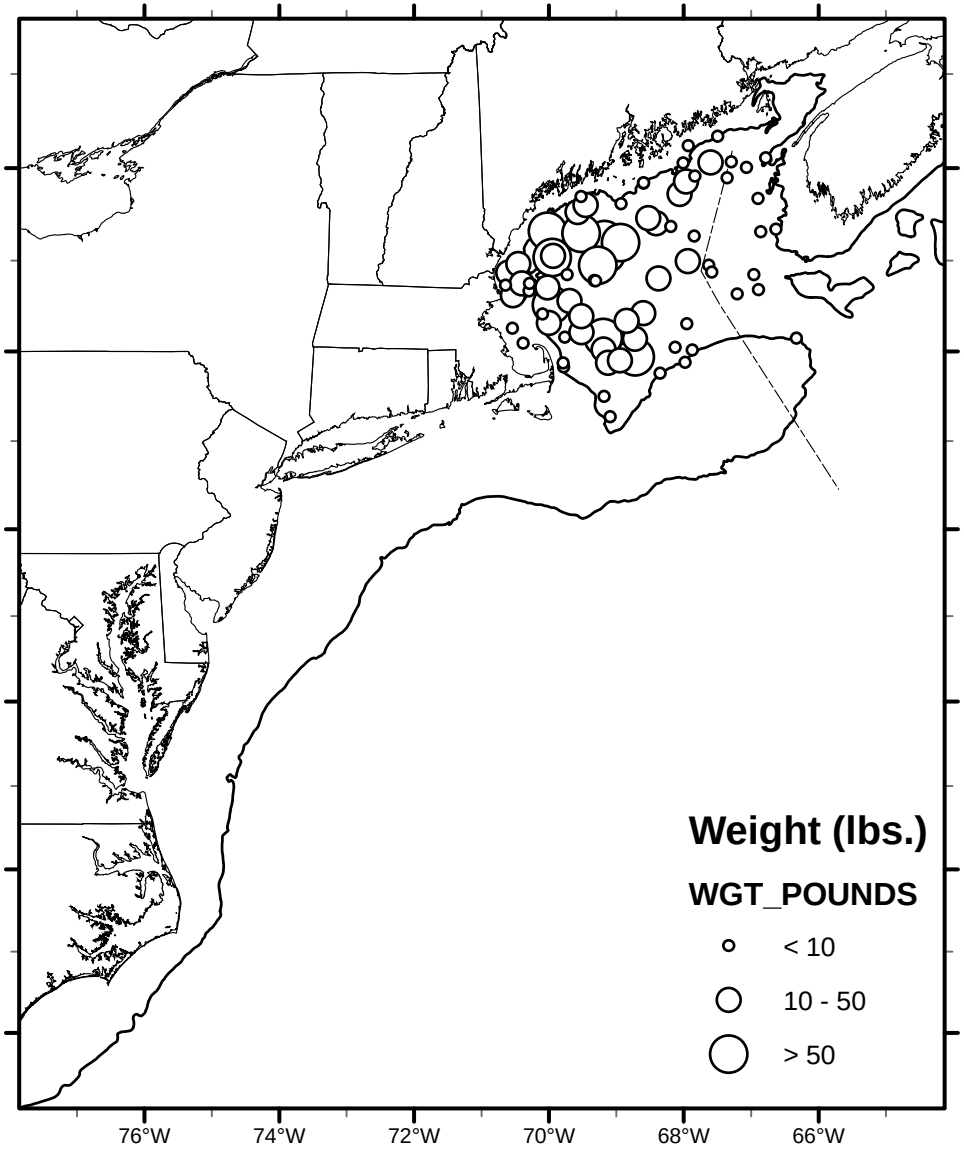
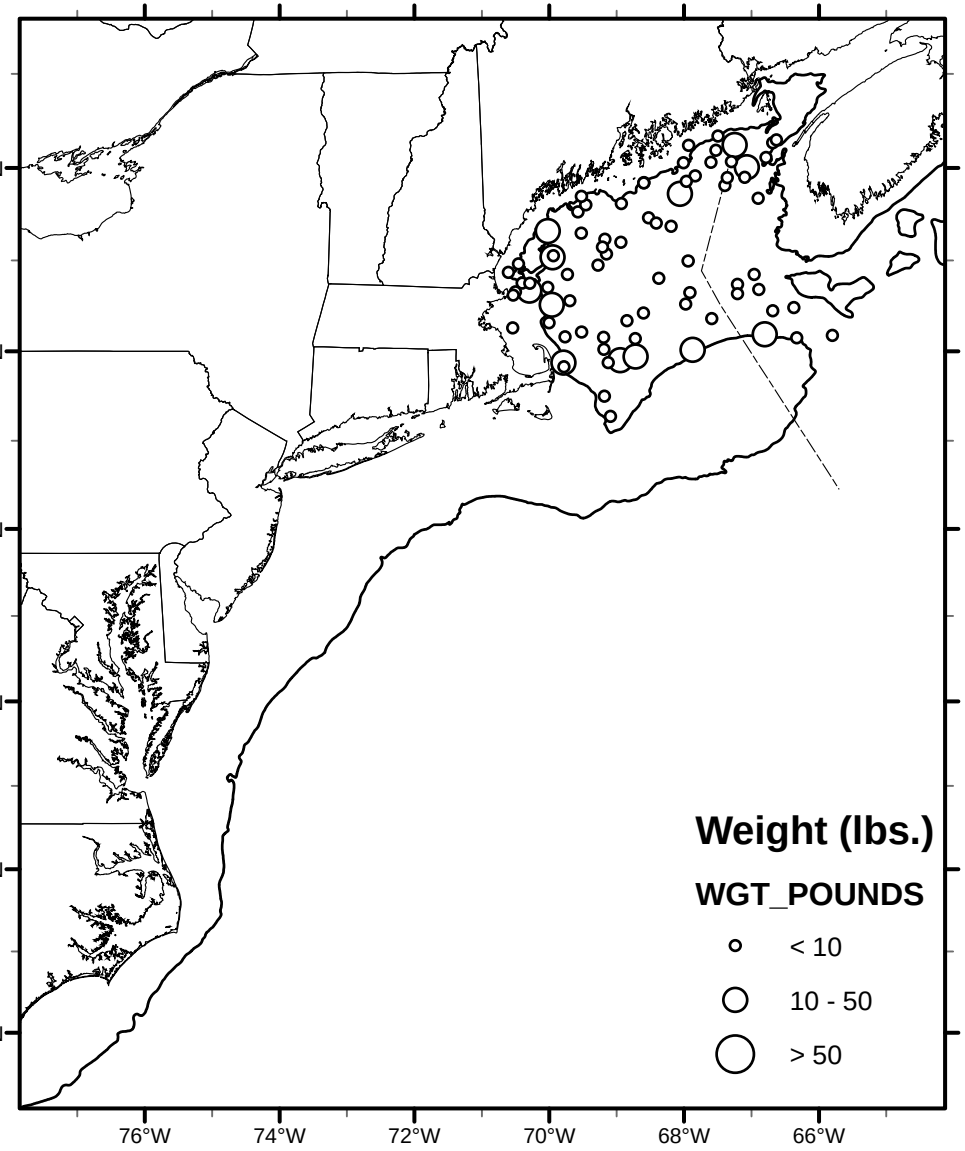
AMERICAN PLAICE



WITCH FLOUNDER



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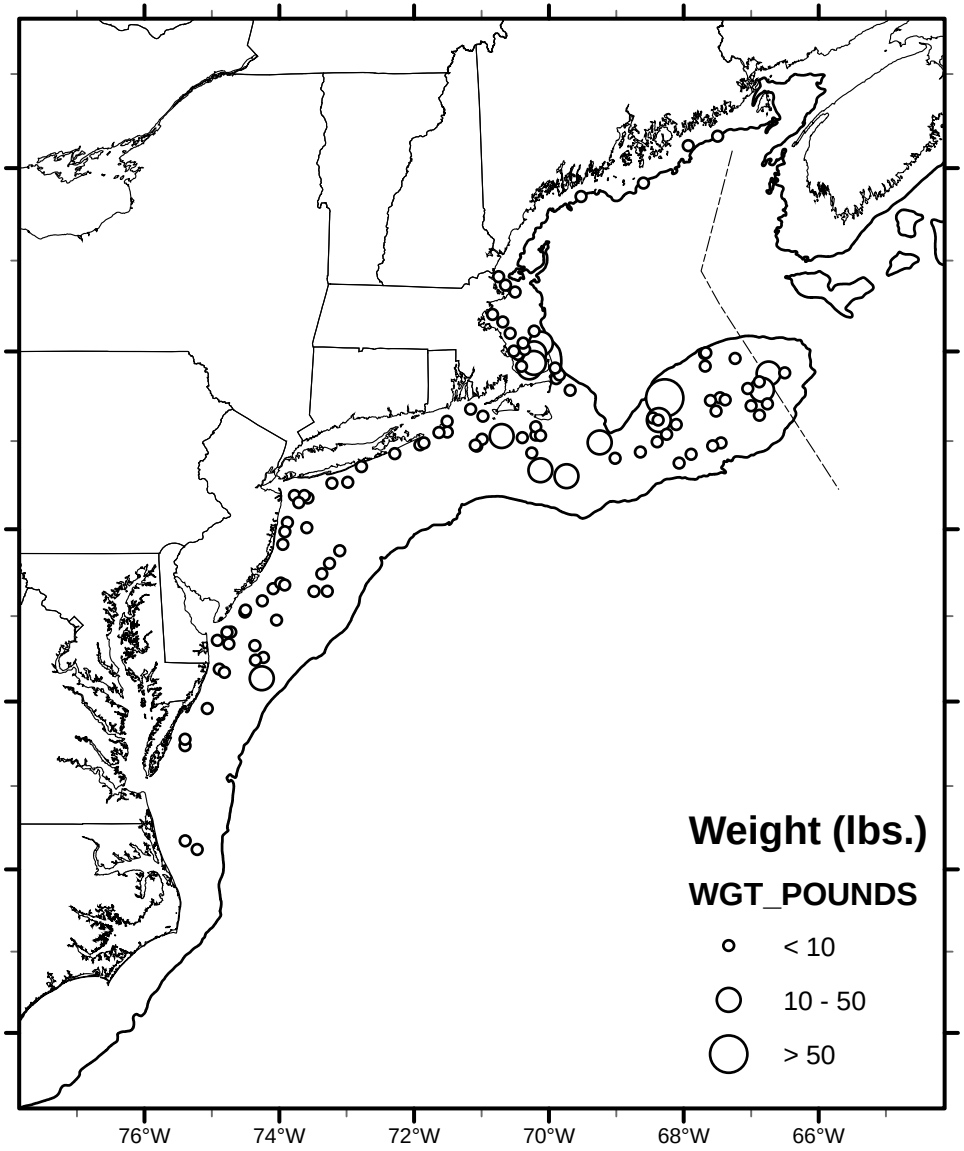
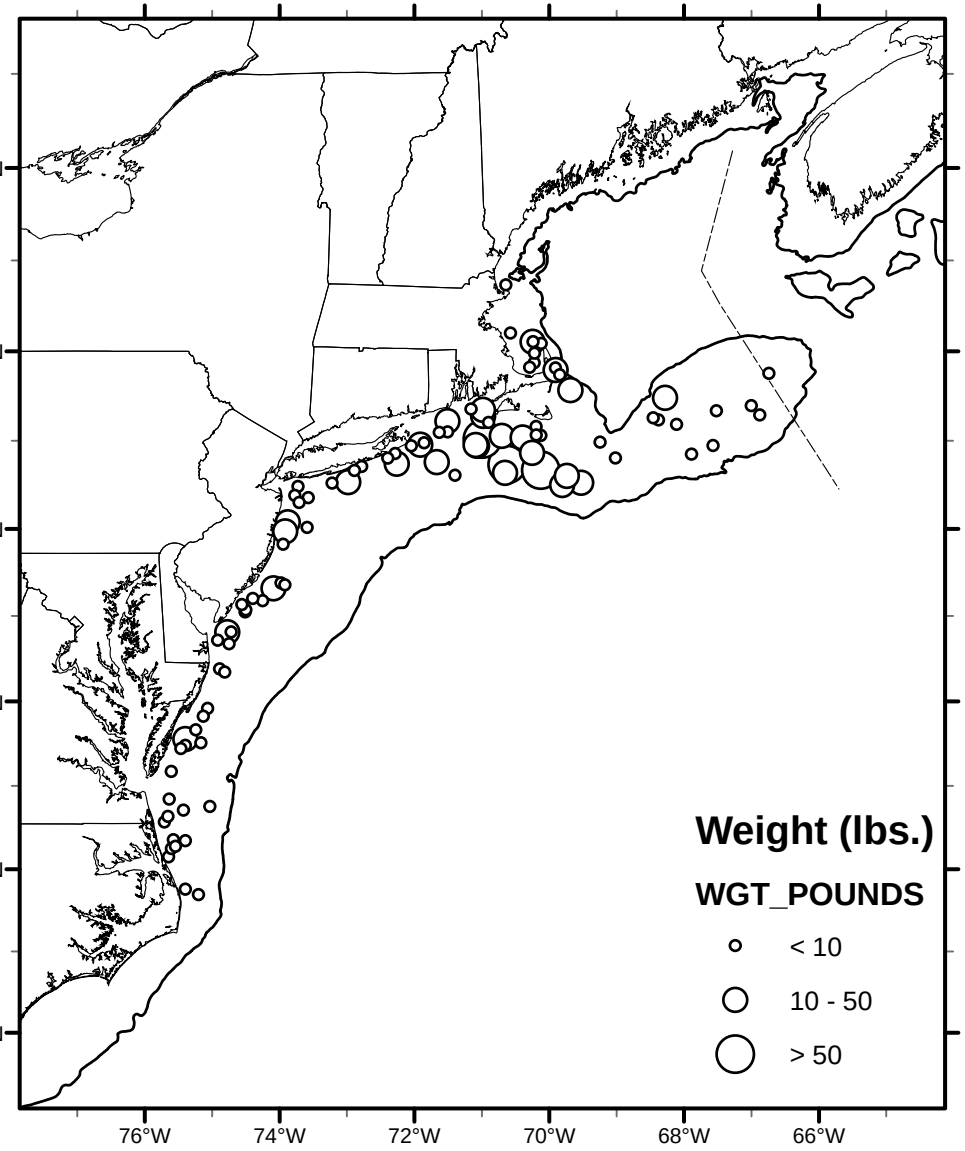
WINDOWPANE FLOUNDER



SUMMER FLOUNDER



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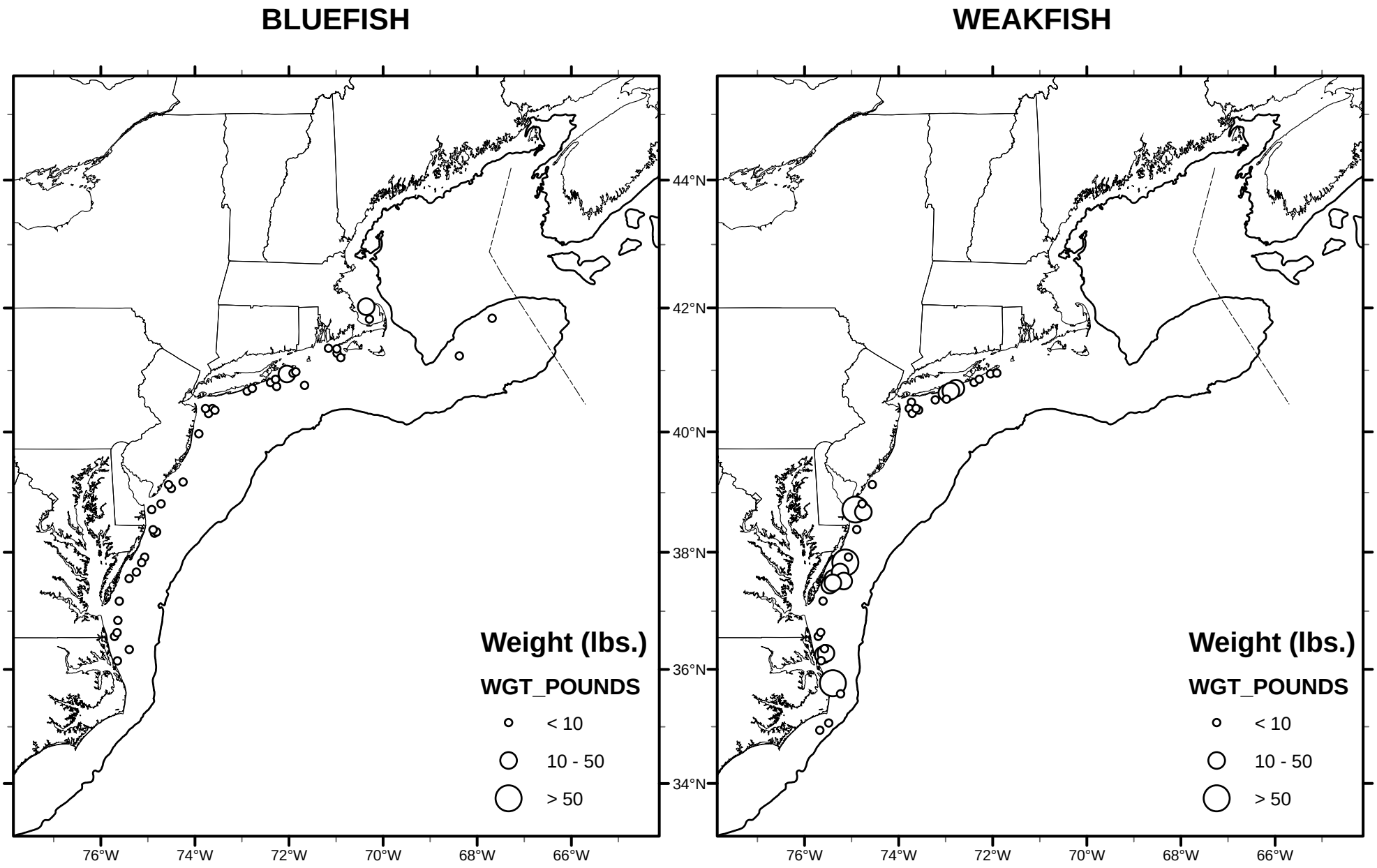

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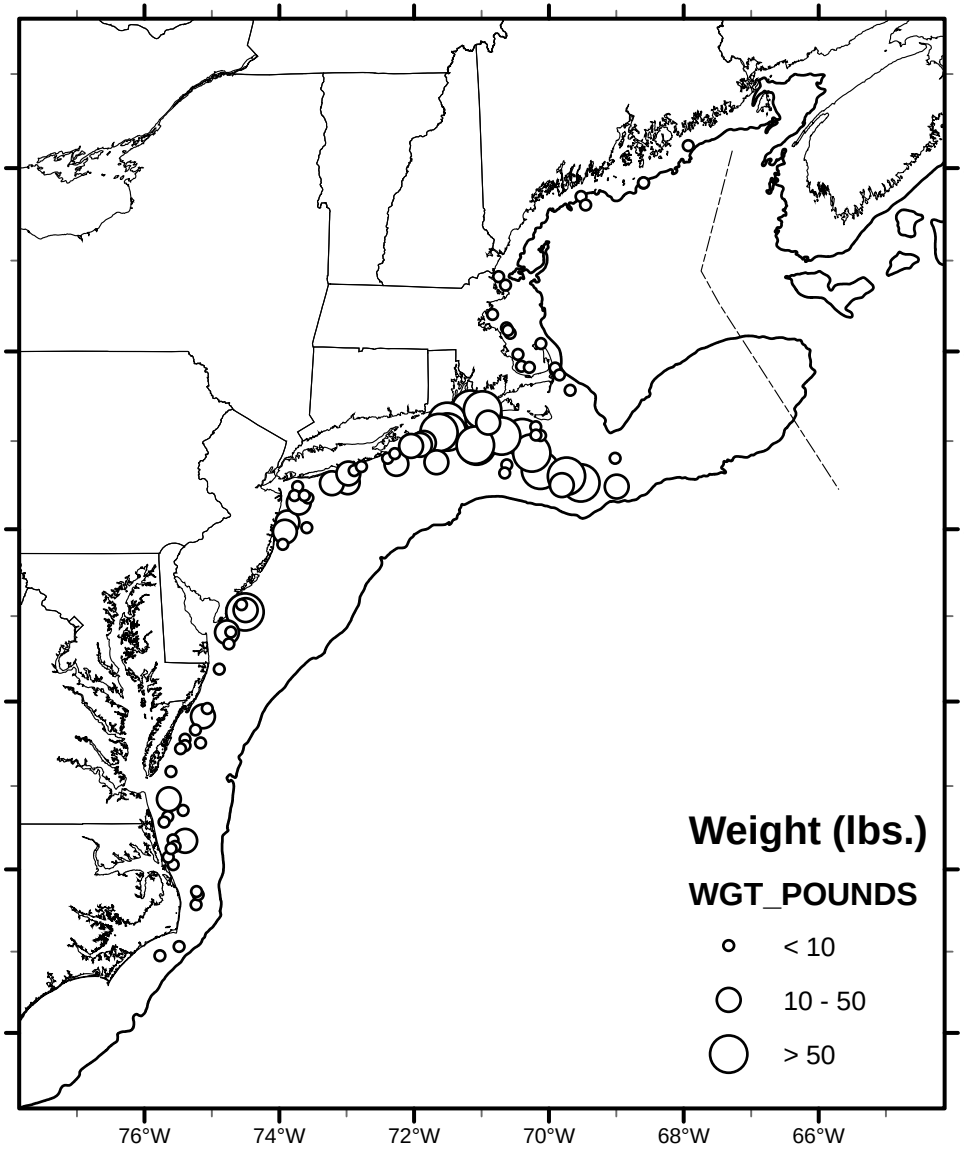
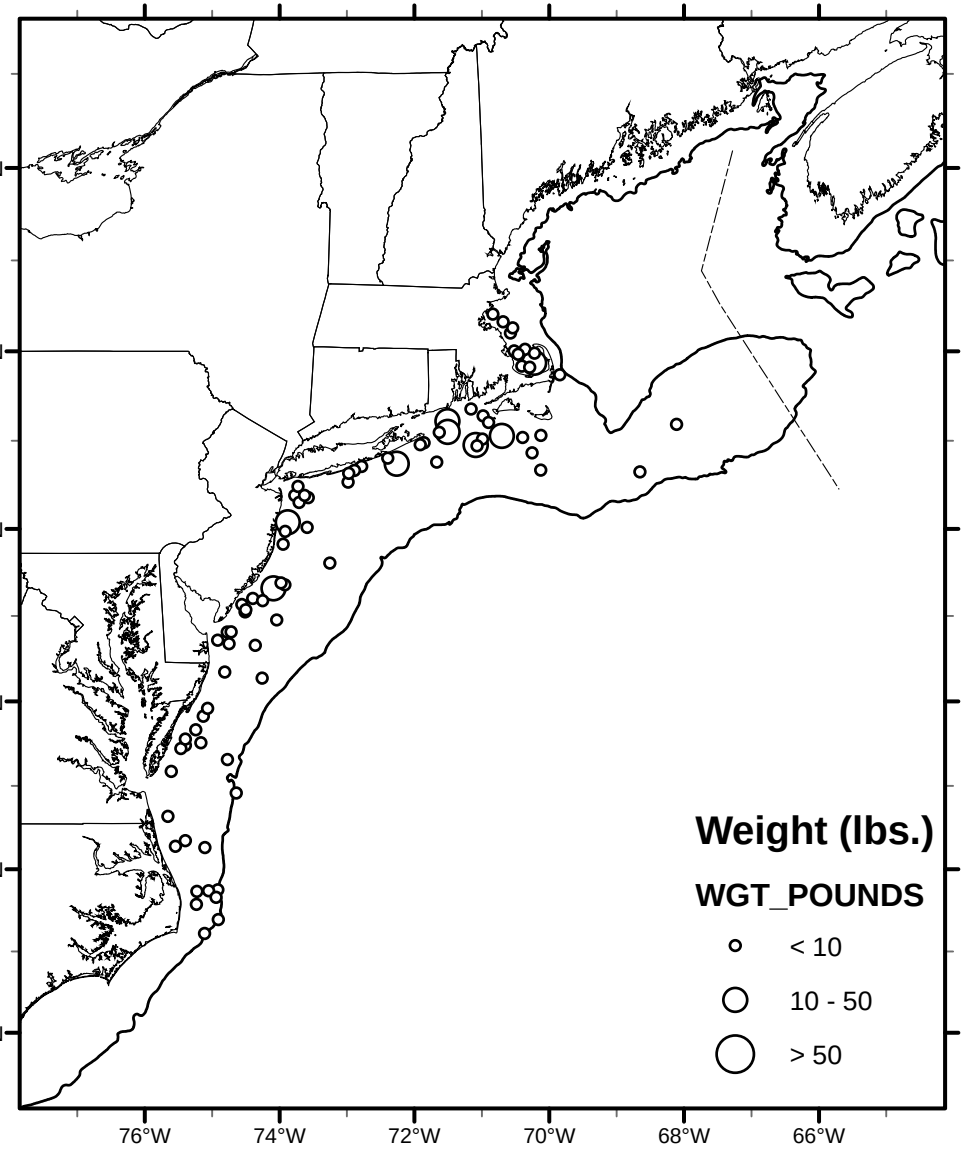
SCUP



BLACK SEA BASS



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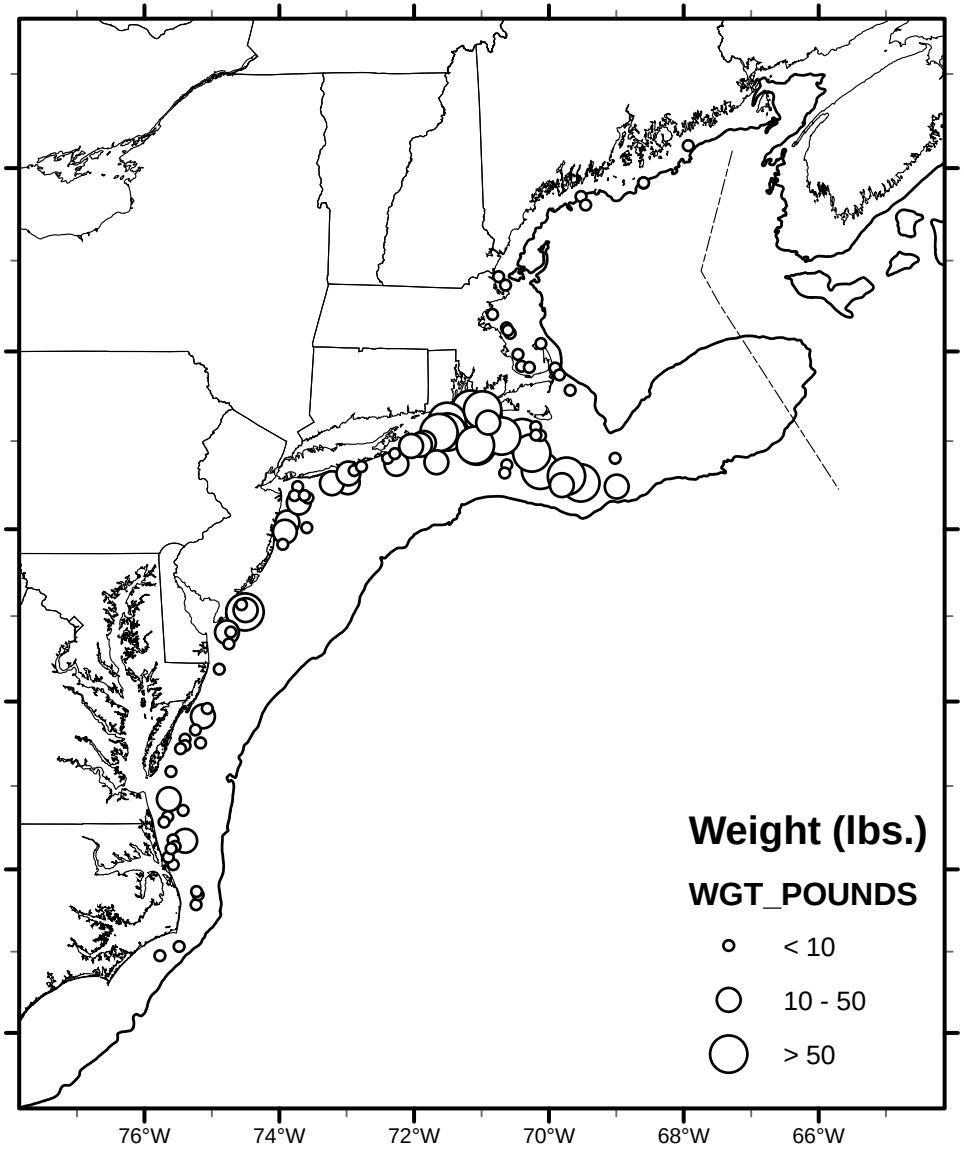
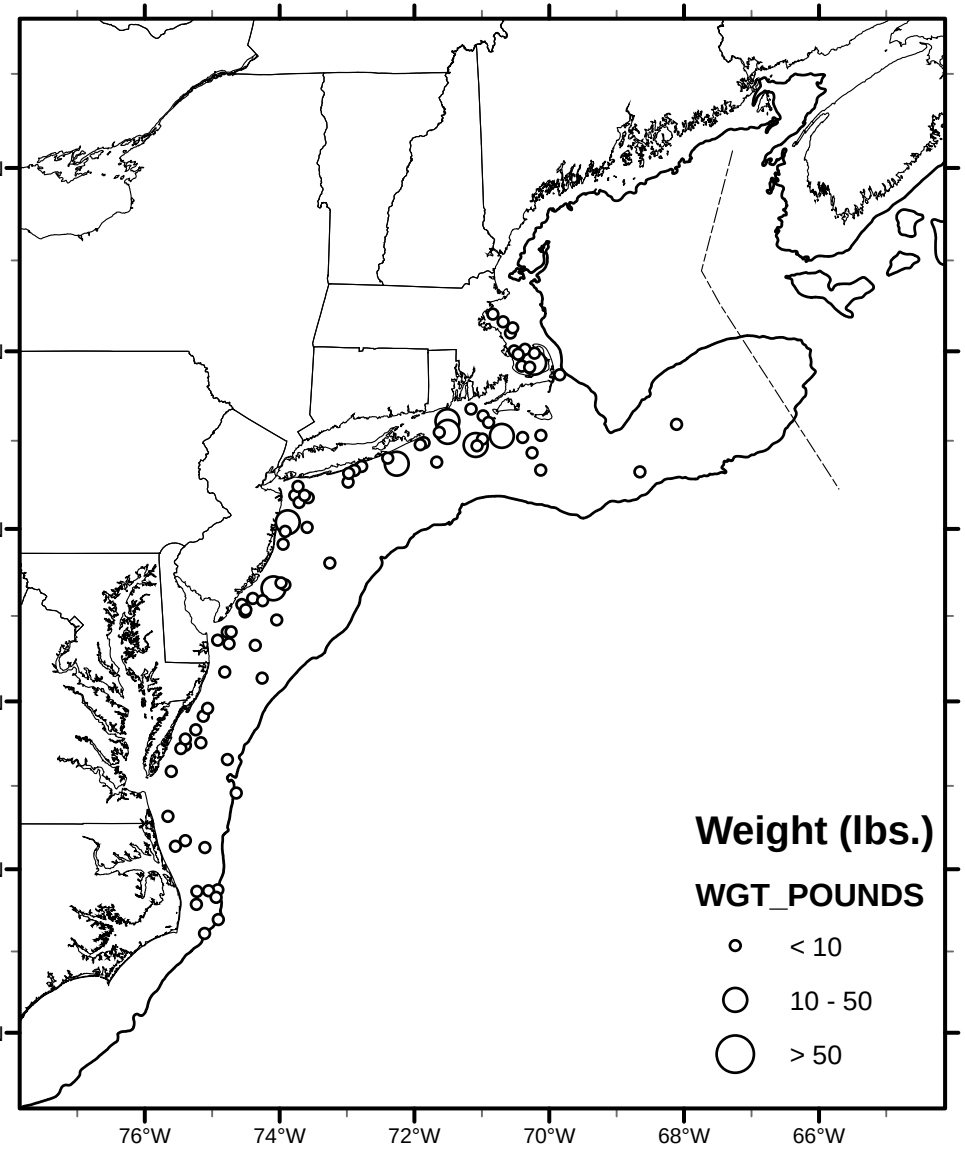
SPOT



ATLANTIC CROAKER



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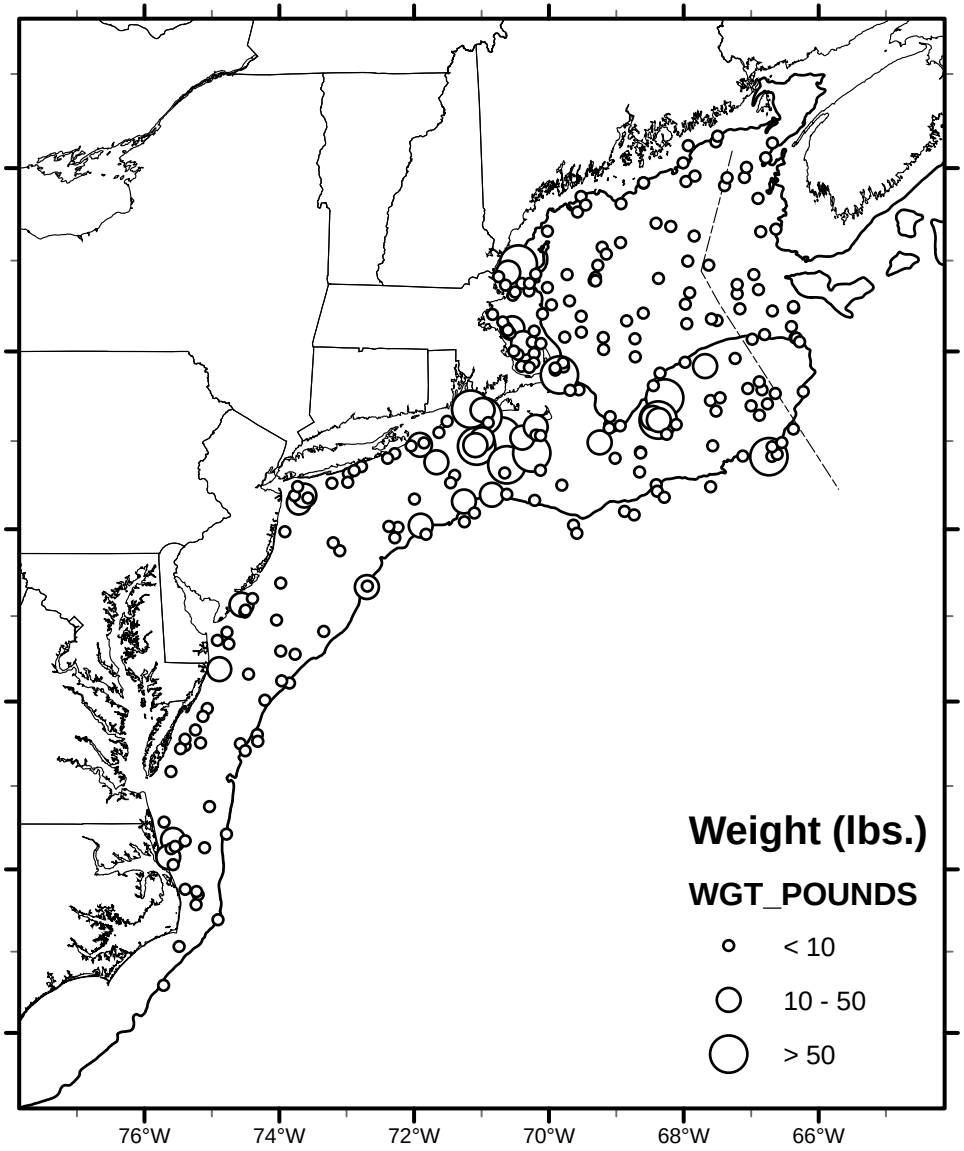
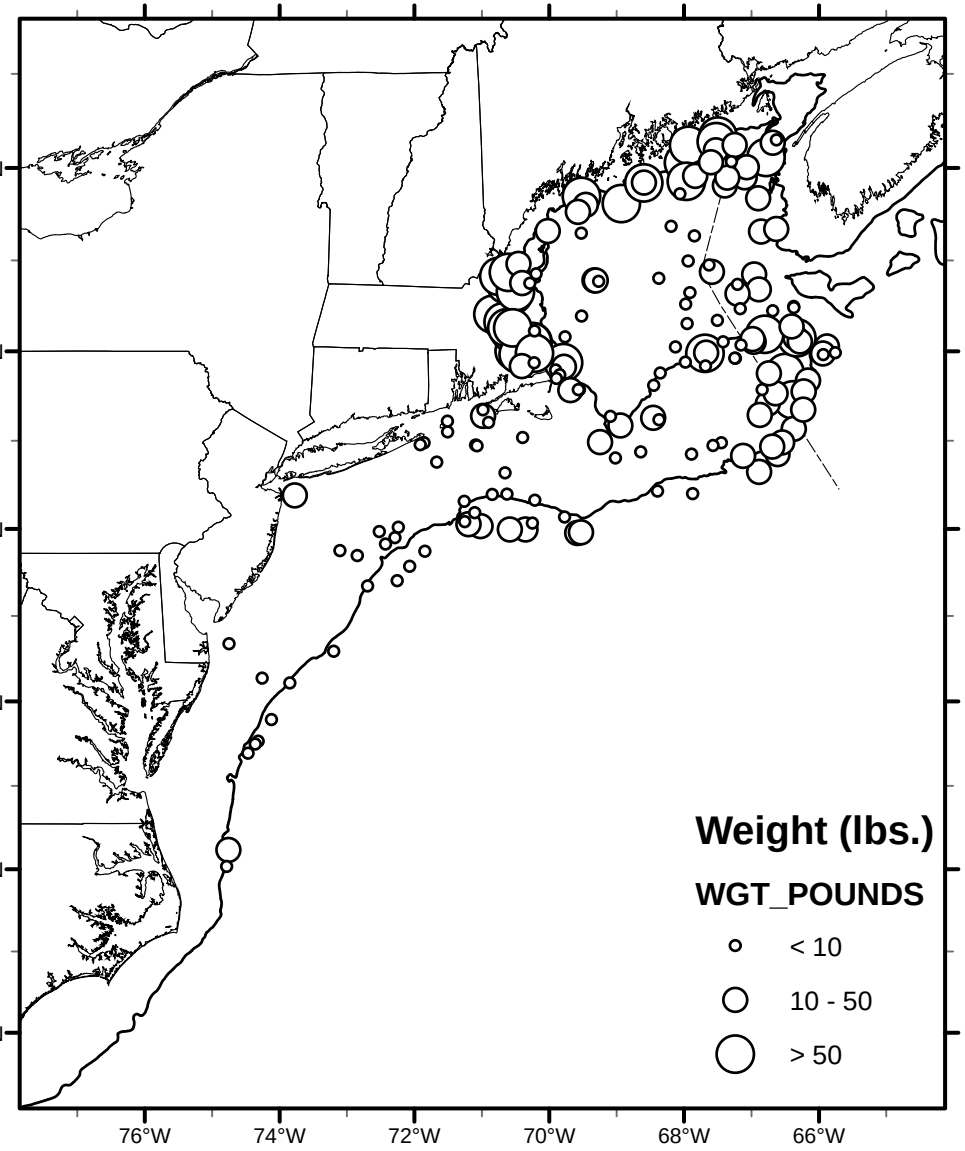
BUTTERFISH



AMERICAN LOBSTER



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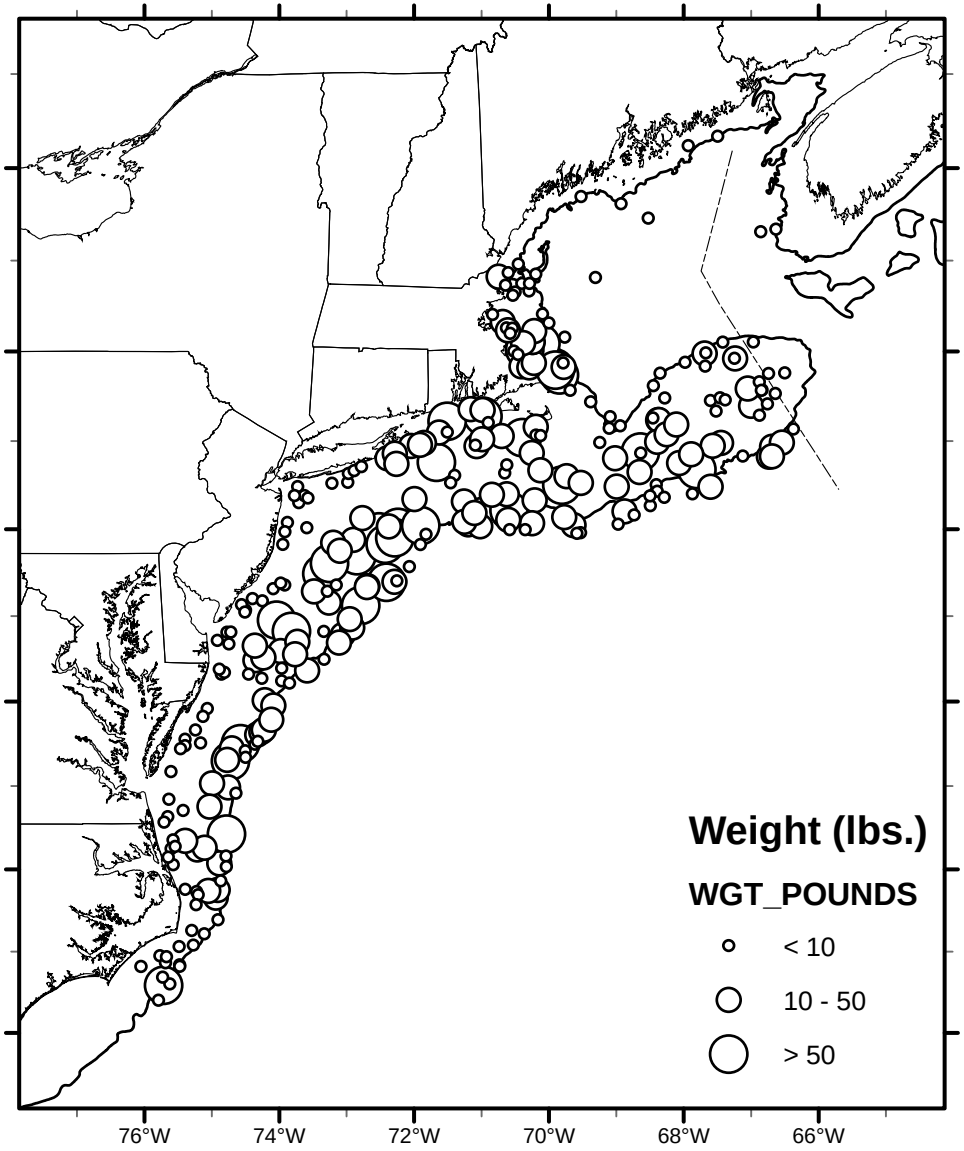
LOLIGO SQUID



ILLEX SQUID