

Resource Survey Report

2022 Fall Resource Survey Report

Bottom Trawl Survey

Cape Hatteras - Gulf of Maine

11 September - 15 November 2022

NOAA Ship Henry B. Bigelow (FSV 225)

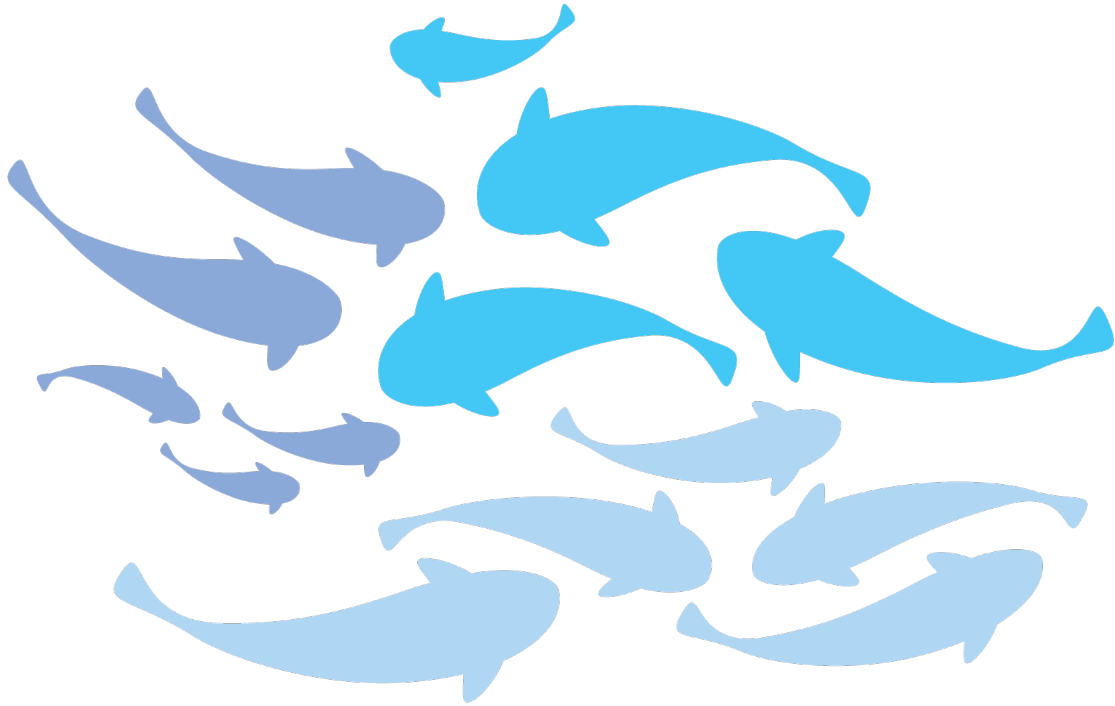
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Date: 2023

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Significant Changes to the NEFSC Multispecies Bottom Trawl Survey

Significant changes in survey methodology were implemented, beginning with the 2009 Spring multispecies Bottom Trawl Survey, which have significant implications for the use of these data. Prior to 2009, multispecies bottom trawl surveys were conducted on the NOAA ship *Albatross IV*. In 2009, the survey was conducted on the NOAA Ship Henry B. Bigelow, which is equipped with an autotrawl winch system that equalizes port and starboard warp tensions throughout the duration of survey tows.

The survey bottom trawl sampling gear was also changed. Prior to 2009, the survey was conducted with a standardized Yankee 36 bottom trawl and 450kg Euronet, polyvalent trawl doors. Beginning in 2009, the trawl is conducted using a standardized 400 x 12cm, 4-seam bottom trawl and 2.2m², 550kg, Poly-Ice oval trawl doors. The survey bottom trawl gear was designed and tested in collaboration between the NEFSC and regional fishing industry, fishery managers and academic stakeholders through the mid-Atlantic and New England Trawl Advisory Panel.

The standard survey towing speed was decreased from 3.8kn to 3.0kn, speed measured over ground, beginning in 2009. This towing speed was selected after extensive towing speed and warp to depth ratio trials conducted on the NOAA Ship Henry B. Bigelow. The standard tow duration was also changed from 30 minutes (timed from winch lock to winch reengage) to 20 minutes of actual time on-bottom (measured in real-time by acoustic trawl mensuration equipment). The decrease of both the towing speed and duration resulted in a decrease of average tow distance from 1.9nm to 1.0nm.

Station allocation also change significantly due to an increase of available vessel time from 48 to 60 sea days and a reduction in 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) Southern New England/Mid-Atlantic Near Shore Trawl Survey.

In 2008 the NEFSC conducted an extensive study to estimate the relative catchability of the NOAA Ship *Albatross IV*, sampling with the standard Yankee 36 survey bottom trawl following historical protocols, and the NOAA Ship Henry B. Bigelow, sampling with the standard 400 x 12cm, 4-seam survey 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



**NOAA
FISHERIES**

NOAA Fisheries
Northeast Fisheries Science Center

Fall Multispecies Bottom Trawl Survey
Cape Hatteras - Gulf of Maine
11 September - 15 November 2022

The Northeast Fisheries Science Center has completed the 2022 autumn multispecies bottom trawl survey aboard NOAA Ship *Henry B. Bigelow*. A total of 307 representative stations were sampled during September 11 - November 15, 2022.

This long-running, fishery-independent, bottom trawl survey monitors fishery abundance and distribution of the Northwest Atlantic continental shelf from Cape Lookout, NC to the Scotian Shelf. Data collected include fish age, length, weight, sex, maturity and food habits information which are critical inputs to the regional fish stock assessments helping to inform fishery management decisions by the New England and Mid-Atlantic Fisheries Management Councils as well as Atlantic States Marine Fisheries Commission. Additionally, vertical profiles of temperature and salinity were collected at trawl stations. Plankton were also sampled at a subset of stations, with 95 Bongo samples taken of 116.

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) 2022 fall bottom trawl survey aboard the NOAA Ship *Henry B. Bigelow*. Details regarding NEFSC bottom trawl survey standard operating procedures 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 **cannot be 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 useful information about the distribution and relative abundance of species inhabiting the survey area (Cape Hatteras to the Gulf of Maine).

For further information, contact:

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To view this report, go to the [Ecosystems Surveys Branch website](#) and choose:

- Resource Survey Reports
- Bottom Trawl Survey (BTS) RSRs
- Year of interest

To access these data, visit the [NOAA Fisheries InPort System Data Management Platform](#).

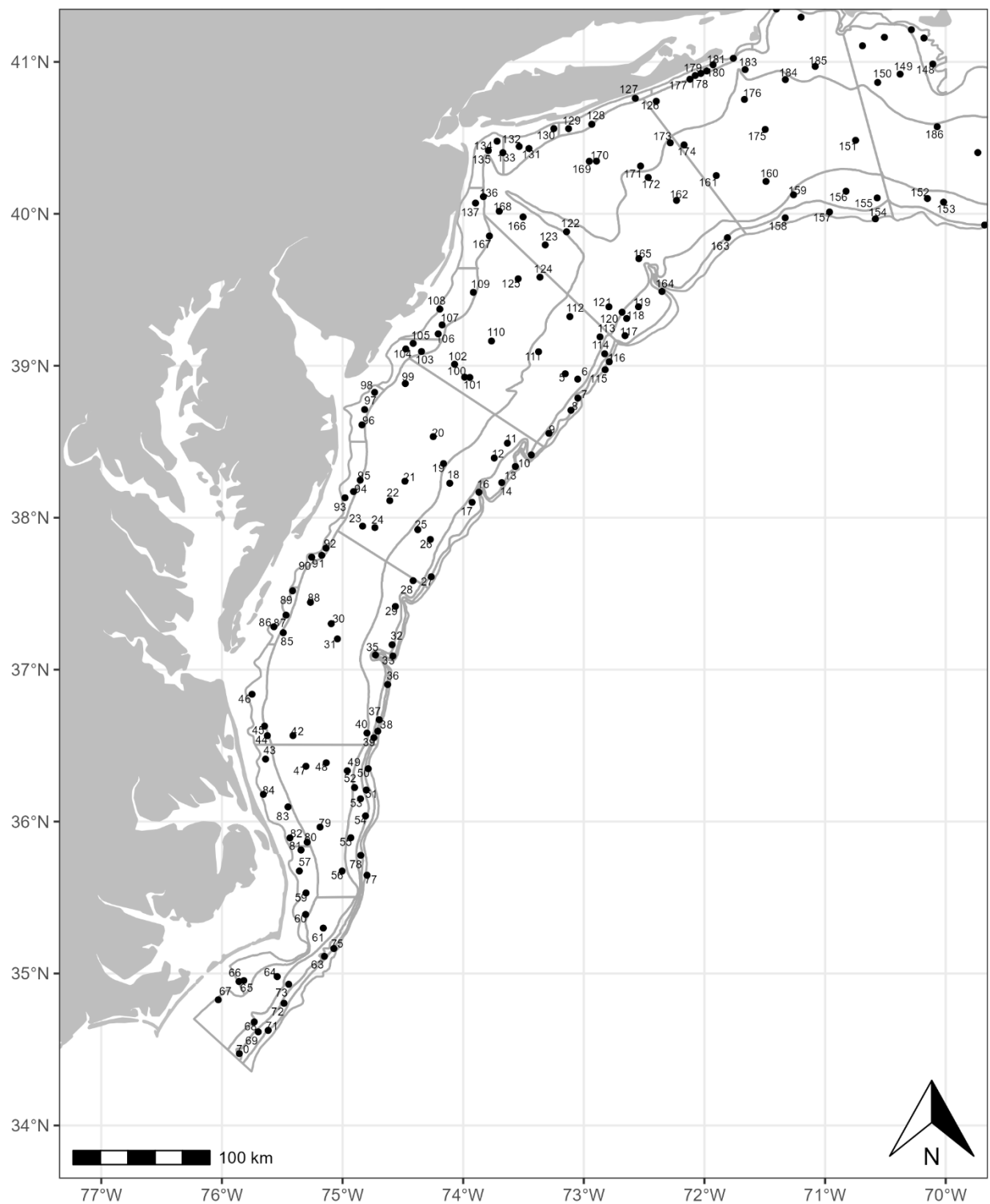


Figure 1: Representative trawl hauls made from NOAA Ship Henry B. Bigelow during the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

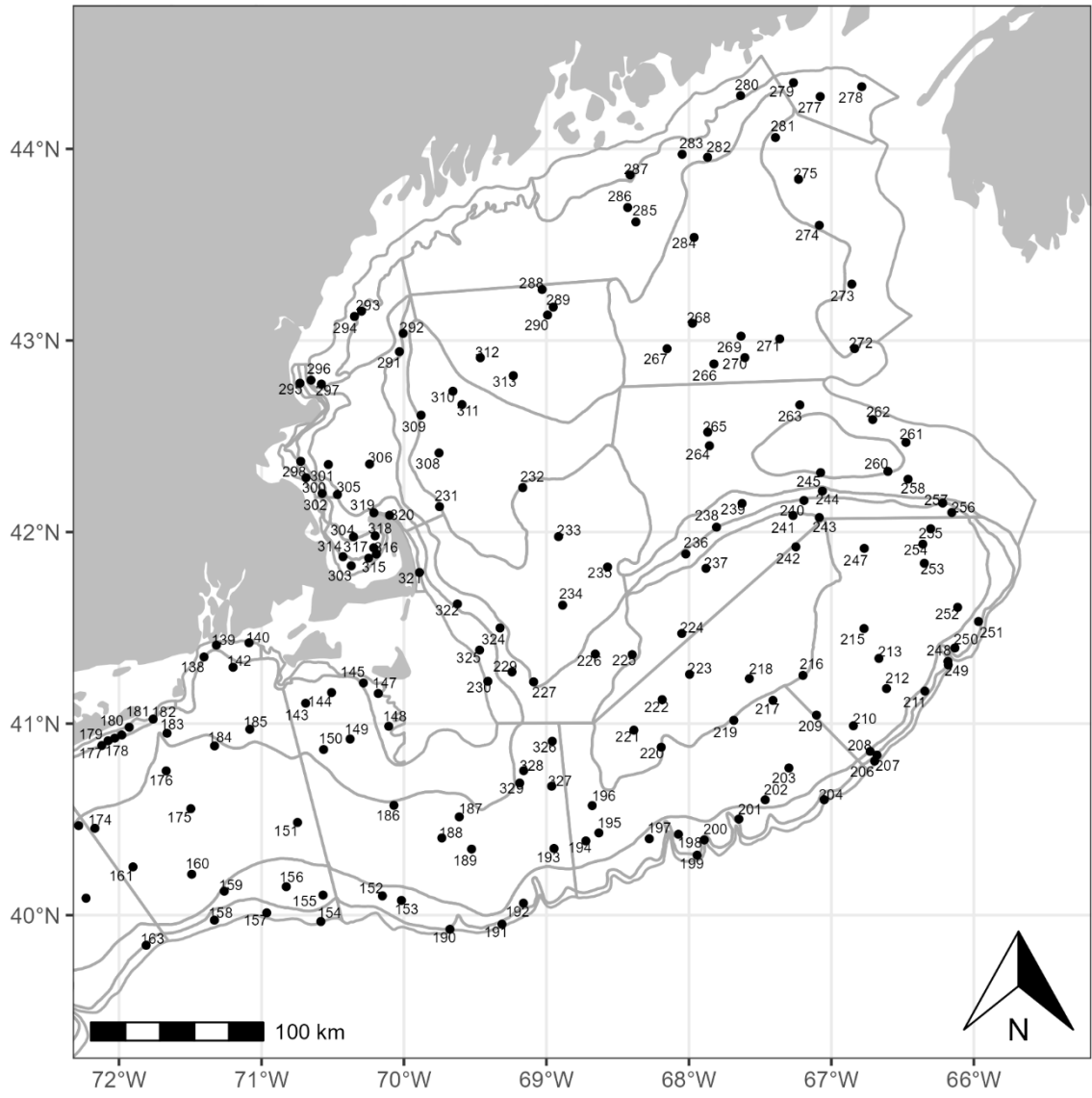


Figure 2: Representative trawl hauls made from NOAA Ship Henry B. Bigelow during the Northeast Fisheries Science Center’s Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Table 1. Station report of valid hauls from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
5	11-Sep-2022	06:43:42	-73.15383	38.94733	-73.14267	38.96067	82	20.01	0.955
6	11-Sep-2022	08:29:26	-73.05050	38.91200	-73.03300	38.92200	86	20.01	1.015
7	11-Sep-2022	11:29:17	-73.04933	38.78717	-73.03683	38.77433	258	20.04	0.967
8	11-Sep-2022	15:26:15	-73.10667	38.70700	-73.09250	38.71967	150	20.10	1.010
9	11-Sep-2022	18:46:52	-73.28900	38.55533	-73.30183	38.54200	132	20.08	1.002
10	11-Sep-2022	20:44:51	-73.43533	38.41317	-73.45133	38.40217	116	20.23	1.002
11	11-Sep-2022	23:14:39	-73.63350	38.49050	-73.64683	38.47783	73	20.01	0.985
12	12-Sep-2022	01:10:36	-73.74250	38.39283	-73.75267	38.37850	86	20.03	0.984
13	12-Sep-2022	04:05:02	-73.56767	38.33717	-73.56417	38.32117	241	19.98	0.973
14	12-Sep-2022	06:49:46	-73.68017	38.23117	-73.68850	38.21600	151	20.00	0.991
16	12-Sep-2022	11:26:27	-73.86933	38.16783	-73.87717	38.17967	290	18.74	0.800
17	12-Sep-2022	13:12:27	-73.92600	38.10117	-73.93083	38.08517	117	20.00	0.986
18	12-Sep-2022	15:35:14	-74.11117	38.22667	-74.12317	38.24033	67	20.22	0.996
19	12-Sep-2022	17:20:39	-74.16317	38.35617	-74.16250	38.37267	56	20.23	0.989
20	12-Sep-2022	19:26:07	-74.24833	38.53367	-74.24900	38.51717	44	20.27	0.989
21	12-Sep-2022	22:26:39	-74.48300	38.24000	-74.48850	38.22433	43	20.03	0.974
22	13-Sep-2022	00:20:20	-74.60817	38.11250	-74.62467	38.12267	38	20.19	0.991
23	13-Sep-2022	02:30:08	-74.83350	37.94450	-74.85217	37.95167	29	20.00	0.985
24	13-Sep-2022	04:22:33	-74.73200	37.93517	-74.75050	37.94283	29	20.01	0.991
25	13-Sep-2022	08:07:34	-74.37633	37.92117	-74.39517	37.91383	62	20.00	0.996
26	13-Sep-2022	09:58:20	-74.27200	37.85700	-74.26300	37.87217	79	20.00	1.005

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27	13-Sep-2022	13:06:19	-74.26467	37.61133	-74.25433	37.62550	219	20.01	0.982
28	13-Sep-2022	15:23:43	-74.41500	37.58550	-74.42383	37.57050	89	20.23	0.993
29	13-Sep-2022	17:25:50	-74.56183	37.41600	-74.55000	37.42967	90	20.19	0.995
30	13-Sep-2022	20:39:08	-75.09383	37.30233	-75.07633	37.29317	36	20.19	1.002
31	13-Sep-2022	22:17:58	-75.04250	37.20233	-75.05850	37.21250	35	20.00	0.979
32	14-Sep-2022	01:16:55	-74.58917	37.16400	-74.59700	37.17917	101	19.99	0.983
33	14-Sep-2022	03:31:48	-74.58283	37.08967	-74.57717	37.10533	129	20.03	0.977
35	14-Sep-2022	07:08:54	-74.72683	37.09650	-74.70933	37.10317	265	20.01	0.930
36	14-Sep-2022	09:55:48	-74.62617	36.90200	-74.62667	36.91783	299	20.01	0.949
37	14-Sep-2022	12:45:16	-74.69600	36.67017	-74.68683	36.68450	159	20.01	0.966
38	14-Sep-2022	15:17:08	-74.70767	36.59500	-74.70483	36.61000	281	20.25	0.909
39	14-Sep-2022	17:27:44	-74.74000	36.55200	-74.73467	36.56750	120	20.21	0.964
40	14-Sep-2022	18:52:52	-74.79750	36.58267	-74.79817	36.59967	58	20.21	1.019
42	14-Sep-2022	23:17:50	-75.41083	36.56600	-75.41717	36.55050	29	20.00	0.978
43	15-Sep-2022	01:22:18	-75.63817	36.41133	-75.64583	36.42650	24	20.04	0.982
44	15-Sep-2022	03:04:11	-75.62333	36.56550	-75.62883	36.58150	24	20.00	0.995
45	15-Sep-2022	04:14:53	-75.64650	36.62833	-75.65300	36.64417	21	20.02	0.999
46	15-Sep-2022	06:49:25	-75.75033	36.83800	-75.76650	36.84967	21	20.00	1.046
47	15-Sep-2022	17:05:16	-75.30350	36.36400	-75.31000	36.38017	30	20.19	1.019
48	15-Sep-2022	18:54:39	-75.13517	36.38700	-75.13300	36.40350	36	20.15	0.994
49	15-Sep-2022	20:54:00	-74.96067	36.33433	-74.94917	36.34800	42	20.09	0.991

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Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
50	15-Sep-2022	22:41:45	-74.78733	36.34800	-74.78467	36.36400	120	20.01	0.967
51	16-Sep-2022	00:39:36	-74.80333	36.20783	-74.80133	36.22417	115	19.98	0.983
52	16-Sep-2022	02:07:12	-74.90017	36.22400	-74.89483	36.24017	67	19.99	1.003
53	16-Sep-2022	04:00:58	-74.85133	36.14983	-74.84450	36.16550	92	20.01	0.996
54	16-Sep-2022	06:39:19	-74.80967	36.03717	-74.80750	36.05350	132	20.01	0.984
55	16-Sep-2022	08:42:33	-74.93133	35.89367	-74.93033	35.91033	72	20.02	1.000
56	16-Sep-2022	11:04:21	-75.00367	35.67433	-74.99867	35.69067	50	20.00	1.009
57	16-Sep-2022	13:50:34	-75.35800	35.67483	-75.35483	35.69117	27	20.01	0.991
59	16-Sep-2022	16:37:35	-75.30283	35.53017	-75.29883	35.54633	24	19.91	0.988
60	16-Sep-2022	18:32:05	-75.30633	35.38883	-75.30450	35.40550	26	20.01	1.003
61	16-Sep-2022	20:56:49	-75.15967	35.29900	-75.16067	35.28233	31	20.01	1.000
63	17-Sep-2022	00:22:18	-75.15000	35.11283	-75.16333	35.10233	160	20.03	0.909
64	17-Sep-2022	03:23:17	-75.54150	34.97950	-75.55550	34.96750	42	20.01	0.997
65	17-Sep-2022	05:18:40	-75.81833	34.95350	-75.83817	34.94917	25	20.01	1.012
66	17-Sep-2022	06:43:35	-75.85833	34.94733	-75.84733	34.96117	24	19.97	0.990
67	17-Sep-2022	08:41:24	-76.03000	34.82700	-76.01650	34.83883	31	20.00	0.973
68	17-Sep-2022	11:38:03	-75.73183	34.68150	-75.72050	34.69517	55	20.01	0.992
69	17-Sep-2022	13:20:08	-75.69900	34.61600	-75.71133	34.60283	124	20.01	0.998
70	17-Sep-2022	15:20:12	-75.85550	34.47283	-75.86900	34.46000	106	20.23	1.020
71	17-Sep-2022	18:12:10	-75.61650	34.62567	-75.62733	34.61250	275	20.02	0.954
72	17-Sep-2022	20:56:50	-75.48517	34.80400	-75.49683	34.79117	177	20.00	0.961

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Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
73	17-Sep-2022	22:45:31	-75.44650	34.92900	-75.46050	34.91767	76	20.07	0.968
75	18-Sep-2022	04:16:30	-75.07217	35.16450	-75.08500	35.15300	246	19.98	0.934
77	18-Sep-2022	09:56:16	-74.79717	35.64700	-74.80550	35.66050	201	20.00	0.906
78	18-Sep-2022	12:22:33	-74.84900	35.77767	-74.84550	35.76183	240	20.01	0.964
79	18-Sep-2022	15:12:53	-75.18633	35.96367	-75.19033	35.94767	37	20.14	0.978
80	18-Sep-2022	17:12:14	-75.29317	35.86433	-75.30783	35.85333	26	20.22	0.973
81	18-Sep-2022	18:33:31	-75.34433	35.81267	-75.32900	35.80183	32	20.01	0.991
82	18-Sep-2022	20:29:01	-75.43583	35.89250	-75.42683	35.87817	24	20.01	0.964
83	18-Sep-2022	22:44:42	-75.45233	36.09650	-75.45267	36.08000	25	20.02	0.989
84	19-Sep-2022	00:44:05	-75.65650	36.17917	-75.65700	36.16233	21	19.99	1.009
85	19-Sep-2022	07:29:28	-75.49150	37.24300	-75.50417	37.23067	22	20.01	0.956
86	19-Sep-2022	08:41:42	-75.56883	37.28217	-75.58133	37.26833	18	20.01	1.023
87	19-Sep-2022	10:19:19	-75.46833	37.35900	-75.48033	37.34550	21	20.01	0.992
88	19-Sep-2022	12:31:18	-75.26617	37.44300	-75.28083	37.43150	30	20.00	0.983
89	19-Sep-2022	14:18:42	-75.41417	37.51900	-75.42283	37.50450	23	20.26	0.962
90	19-Sep-2022	16:46:23	-75.25583	37.74000	-75.27000	37.72783	23	20.17	0.993
91	19-Sep-2022	18:18:17	-75.17233	37.75250	-75.18667	37.74117	21	20.01	0.963
92	19-Sep-2022	19:46:40	-75.13767	37.80000	-75.14833	37.78600	19	20.01	0.980
93	19-Sep-2022	22:44:56	-74.97967	38.13133	-74.97717	38.11517	18	20.01	0.976
94	20-Sep-2022	00:25:39	-74.90883	38.17183	-74.91783	38.15700	25	20.00	0.986
95	20-Sep-2022	01:58:31	-74.85383	38.24733	-74.86500	38.23350	26	20.01	0.983

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96	20-Sep-2022	05:21:29	-74.83900	38.61117	-74.82600	38.59800	25	20.02	0.998
97	20-Sep-2022	07:22:47	-74.81683	38.71183	-74.81150	38.72817	19	20.00	1.011
98	20-Sep-2022	09:10:58	-74.73417	38.82500	-74.75633	38.82600	21	20.01	1.041
99	20-Sep-2022	12:42:55	-74.47967	38.88300	-74.50067	38.88483	23	20.01	0.990
100	20-Sep-2022	15:48:28	-73.98767	38.92500	-74.00900	38.92283	40	20.16	1.007
101	20-Sep-2022	17:22:58	-73.94500	38.92300	-73.96600	38.91933	42	20.20	1.008
102	20-Sep-2022	18:55:50	-74.07133	39.01000	-74.08883	39.02000	40	20.00	1.014
103	20-Sep-2022	20:53:14	-74.34567	39.09383	-74.36483	39.08633	27	20.01	1.002
104	20-Sep-2022	22:21:39	-74.47567	39.11050	-74.45917	39.12167	19	20.00	1.021
105	20-Sep-2022	23:24:53	-74.41467	39.14750	-74.39750	39.15750	22	19.98	1.001
106	21-Sep-2022	00:59:54	-74.20700	39.21000	-74.19233	39.22200	25	20.00	0.993
107	21-Sep-2022	02:03:25	-74.17500	39.26883	-74.15517	39.27450	29	20.01	0.985
108	21-Sep-2022	03:53:45	-74.19333	39.37300	-74.17833	39.38533	21	20.01	1.017
109	21-Sep-2022	05:54:36	-73.91567	39.48333	-73.90067	39.49567	27	20.00	1.016
110	21-Sep-2022	08:46:41	-73.76517	39.16267	-73.76850	39.17850	40	20.00	0.962
111	21-Sep-2022	11:48:27	-73.37500	39.09233	-73.37683	39.10883	60	20.02	0.993
112	21-Sep-2022	14:34:52	-73.11567	39.32350	-73.11583	39.33967	65	20.04	0.969
113	21-Sep-2022	16:58:04	-72.86567	39.19000	-72.85400	39.20367	88	20.18	0.984
114	21-Sep-2022	19:00:08	-72.82717	39.07883	-72.81783	39.09383	115	20.01	0.999
115	21-Sep-2022	21:05:25	-72.82317	38.97400	-72.83567	38.96100	202	20.01	0.974
116	21-Sep-2022	23:01:18	-72.78900	39.02633	-72.79283	39.01000	219	19.98	0.995

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Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
117	22-Sep-2022	01:37:52	-72.65833	39.19817	-72.66883	39.18350	136	19.98	1.006
118	22-Sep-2022	03:42:17	-72.64500	39.31133	-72.66317	39.30233	121	20.01	1.003
119	22-Sep-2022	05:32:51	-72.54683	39.38833	-72.56100	39.37600	126	20.01	0.990
120	22-Sep-2022	07:02:54	-72.68300	39.35250	-72.69550	39.34000	107	20.01	0.949
121	22-Sep-2022	08:51:47	-72.79200	39.38800	-72.80600	39.37533	77	19.99	1.000
122	22-Sep-2022	15:35:55	-73.14300	39.88200	-73.15667	39.89433	58	20.18	0.972
123	22-Sep-2022	17:59:21	-73.31967	39.79550	-73.33467	39.80733	44	20.27	0.992
124	22-Sep-2022	20:23:37	-73.36350	39.58317	-73.37917	39.59400	36	20.10	0.975
125	22-Sep-2022	22:37:38	-73.54417	39.57233	-73.55917	39.58400	38	20.05	0.987
126	23-Sep-2022	23:01:14	-72.39950	40.74117	-72.40800	40.75633	36	19.98	0.989
127	24-Sep-2022	00:35:53	-72.57333	40.76033	-72.58217	40.77600	25	20.00	1.022
128	24-Sep-2022	03:14:22	-72.93400	40.58950	-72.94367	40.60467	28	20.02	1.011
129	24-Sep-2022	05:03:50	-73.12633	40.56067	-73.14533	40.56900	26	20.01	1.002
130	24-Sep-2022	06:43:32	-73.24867	40.56100	-73.27017	40.56283	25	20.01	0.989
131	24-Sep-2022	08:32:48	-73.45483	40.43000	-73.47600	40.43467	25	20.00	1.009
132	24-Sep-2022	09:34:06	-73.53600	40.44333	-73.55617	40.44767	26	20.00	0.960
133	24-Sep-2022	11:02:52	-73.67067	40.40250	-73.68783	40.41283	26	20.01	1.001
134	24-Sep-2022	12:35:45	-73.71917	40.47800	-73.73867	40.48500	25	20.01	0.987
135	24-Sep-2022	14:00:53	-73.79117	40.41650	-73.80483	40.40350	37	20.01	1.000
136	24-Sep-2022	16:45:59	-73.83233	40.11300	-73.83267	40.09667	30	20.17	0.979
137	24-Sep-2022	18:38:43	-73.89767	40.07067	-73.89733	40.05400	23	20.01	0.999

Table 1. Station report of valid hauls from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
138	07-Oct-2022	11:19:20	-71.40333	41.34783	-71.42383	41.34283	33	20.28	0.974
139	07-Oct-2022	13:26:30	-71.31667	41.40950	-71.32333	41.39367	33	20.18	0.996
140	07-Oct-2022	15:36:36	-71.08750	41.42167	-71.08417	41.40500	22	20.02	1.011
142	07-Oct-2022	18:05:32	-71.19933	41.29417	-71.21583	41.28233	38	20.01	1.030
143	07-Oct-2022	21:21:13	-70.69000	41.10617	-70.69567	41.09017	45	19.99	0.993
144	07-Oct-2022	23:17:11	-70.50817	41.16217	-70.53050	41.16133	38	20.01	1.013
145	08-Oct-2022	01:31:01	-70.28450	41.21217	-70.30067	41.22400	26	20.00	1.019
147	08-Oct-2022	04:30:22	-70.18033	41.15717	-70.19633	41.16817	25	20.13	0.980
148	08-Oct-2022	06:46:36	-70.10700	40.98600	-70.12500	40.99317	26	19.96	0.924
149	08-Oct-2022	09:03:56	-70.37817	40.91950	-70.39700	40.92750	44	19.94	0.982
150	08-Oct-2022	12:14:38	-70.56400	40.86467	-70.56900	40.88083	55	19.97	0.996
151	08-Oct-2022	15:34:45	-70.74700	40.48383	-70.76833	40.48833	78	20.01	1.013
152	08-Oct-2022	20:10:56	-70.15150	40.10067	-70.17217	40.09783	156	19.99	0.967
153	08-Oct-2022	22:16:23	-70.01783	40.07683	-70.03983	40.07717	150	20.01	1.013
154	09-Oct-2022	03:10:37	-70.58317	39.96667	-70.60500	39.96767	323	20.55	1.009
155	09-Oct-2022	05:27:21	-70.56817	40.10467	-70.58933	40.10733	132	20.18	0.987
156	09-Oct-2022	07:38:28	-70.82617	40.14867	-70.84583	40.15683	138	20.01	1.029
157	09-Oct-2022	10:01:51	-70.96317	40.01200	-70.98167	40.01950	277	20.01	0.964
158	09-Oct-2022	13:37:02	-71.33050	39.97367	-71.34700	39.96517	243	18.93	0.916
159	09-Oct-2022	15:48:26	-71.26117	40.12533	-71.27467	40.11200	121	20.02	1.012
160	09-Oct-2022	17:47:50	-71.48967	40.21350	-71.50600	40.22383	89	20.02	0.973

Table 1. Station report of valid hauls from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
161	09-Oct-2022	20:49:03	-71.90200	40.25183	-71.92383	40.25283	70	19.99	1.005
162	09-Oct-2022	23:37:07	-72.23150	40.08850	-72.25367	40.08783	75	20.00	1.022
163	10-Oct-2022	03:19:15	-71.80950	39.84267	-71.82550	39.83217	193	20.12	0.971
164	10-Oct-2022	07:44:57	-72.35233	39.48900	-72.37033	39.49700	204	20.00	0.964
165	10-Oct-2022	11:39:33	-72.54383	39.70517	-72.55967	39.69467	79	19.95	0.966
166	10-Oct-2022	16:50:58	-73.50350	39.97950	-73.51117	39.96367	43	20.02	1.013
167	10-Oct-2022	19:19:27	-73.78250	39.85417	-73.80133	39.84500	29	20.01	1.029
168	10-Oct-2022	21:19:59	-73.70100	40.01683	-73.71667	40.00483	38	20.02	1.019
169	11-Oct-2022	01:56:24	-72.95467	40.34583	-72.97533	40.33983	41	20.01	1.014
170	11-Oct-2022	03:28:24	-72.89517	40.34667	-72.91567	40.34117	43	20.15	0.997
171	11-Oct-2022	06:36:45	-72.52950	40.31450	-72.54933	40.30667	53	20.01	1.024
172	11-Oct-2022	08:13:16	-72.46650	40.23950	-72.48717	40.24100	61	20.01	0.954
173	11-Oct-2022	10:45:28	-72.28333	40.46733	-72.30467	40.46833	58	19.95	0.979
174	11-Oct-2022	12:29:17	-72.16900	40.45367	-72.19083	40.45417	59	19.96	1.000
175	11-Oct-2022	16:46:09	-71.49617	40.55567	-71.51833	40.55567	71	20.02	1.014
176	11-Oct-2022	19:07:13	-71.66867	40.75300	-71.64567	40.75267	69	20.00	1.049
177	11-Oct-2022	22:26:52	-72.12033	40.88583	-72.14117	40.88917	30	20.01	0.969
178	11-Oct-2022	23:47:53	-72.07667	40.91050	-72.09683	40.90433	28	20.01	0.989
179	12-Oct-2022	01:08:54	-72.02983	40.92417	-72.05067	40.91817	26	20.00	1.014
180	12-Oct-2022	02:30:05	-71.98050	40.94017	-72.00133	40.93450	27	19.97	1.006
181	12-Oct-2022	04:00:13	-71.92850	40.98100	-71.94950	40.97533	24	19.96	1.013

Table 1. Station report of valid hauls from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
182	12-Oct-2022	05:48:03	-71.76050	41.02350	-71.78117	41.01717	27	19.94	1.013
183	12-Oct-2022	07:32:43	-71.66283	40.94967	-71.68367	40.95333	46	20.01	0.972
184	12-Oct-2022	10:03:49	-71.32933	40.88367	-71.35067	40.88500	59	19.95	0.974
185	12-Oct-2022	12:19:25	-71.08200	40.97050	-71.10267	40.96517	52	19.99	0.992
186	12-Oct-2022	17:28:20	-70.07067	40.57317	-70.04983	40.56867	59	20.01	0.990
187	12-Oct-2022	20:42:52	-69.61183	40.51300	-69.58933	40.51117	68	20.01	1.036
188	12-Oct-2022	22:54:57	-69.73400	40.40300	-69.72850	40.38700	73	20.01	0.992
189	13-Oct-2022	01:05:22	-69.52533	40.34483	-69.51250	40.33083	74	20.01	1.025
190	13-Oct-2022	05:02:26	-69.67750	39.92617	-69.65850	39.93100	234	19.96	0.924
191	13-Oct-2022	08:24:49	-69.31167	39.95283	-69.29317	39.95883	282	20.00	0.926
192	13-Oct-2022	10:48:09	-69.16150	40.06233	-69.14100	40.06717	156	19.95	0.988
193	22-Oct-2022	21:30:13	-68.94683	40.34800	-68.92533	40.34700	90	19.98	0.988
194	22-Oct-2022	23:38:49	-68.72333	40.38733	-68.70683	40.39817	89	20.00	0.997
195	23-Oct-2022	01:52:20	-68.63183	40.42950	-68.61417	40.43850	90	20.00	0.973
196	23-Oct-2022	03:52:42	-68.67867	40.57200	-68.65767	40.57583	68	20.06	0.987
197	23-Oct-2022	07:11:01	-68.27817	40.39883	-68.26417	40.41083	125	19.99	0.964
198	23-Oct-2022	09:08:16	-68.07350	40.42200	-68.05250	40.42433	147	20.00	0.972
199	23-Oct-2022	11:31:55	-67.94250	40.31283	-67.92067	40.31533	204	19.95	1.013
200	23-Oct-2022	13:36:48	-67.89200	40.39267	-67.87500	40.40317	202	19.97	1.002
201	23-Oct-2022	15:45:45	-67.64933	40.50183	-67.62950	40.50833	138	20.04	0.988
202	23-Oct-2022	17:34:03	-67.46467	40.60217	-67.44633	40.61150	103	20.01	1.008

Table 1. Station report of valid hauls from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
203	23-Oct-2022	19:48:58	-67.29833	40.76817	-67.28667	40.75367	96	20.00	1.019
204	23-Oct-2022	22:45:22	-67.05033	40.60233	-67.06017	40.58767	248	20.02	0.988
206	24-Oct-2022	03:24:06	-66.69667	40.80417	-66.71567	40.79633	227	19.99	0.985
207	24-Oct-2022	05:10:31	-66.67983	40.83533	-66.69400	40.82433	194	19.95	0.923
208	24-Oct-2022	06:55:12	-66.72767	40.85500	-66.74217	40.84300	115	20.00	0.977
209	24-Oct-2022	09:34:23	-67.10450	41.04417	-67.08733	41.03367	70	20.01	1.002
210	24-Oct-2022	11:22:02	-66.84550	40.98850	-66.82700	40.97900	77	19.93	1.015
211	24-Oct-2022	14:35:35	-66.34367	41.16933	-66.35817	41.15650	128	20.02	1.012
212	24-Oct-2022	16:49:35	-66.61317	41.18267	-66.59450	41.19200	88	20.01	1.014
213	24-Oct-2022	18:47:04	-66.66650	41.34033	-66.64850	41.33267	85	20.01	0.934
215	24-Oct-2022	23:37:17	-66.77083	41.49600	-66.79117	41.48783	75	20.01	1.039
216	25-Oct-2022	02:42:53	-67.19950	41.25150	-67.19550	41.26783	56	20.18	0.996
217	25-Oct-2022	04:50:52	-67.41017	41.12100	-67.38883	41.12100	61	20.05	0.967
218	25-Oct-2022	07:16:24	-67.57583	41.23483	-67.55417	41.23917	45	20.20	1.015
219	25-Oct-2022	09:40:21	-67.68500	41.01700	-67.68450	41.00050	63	20.01	0.990
220	25-Oct-2022	13:02:13	-68.19417	40.87667	-68.19767	40.89283	58	20.06	0.982
221	25-Oct-2022	15:06:44	-68.38633	40.96567	-68.37000	40.97733	49	20.01	1.020
222	25-Oct-2022	17:32:44	-68.18767	41.12483	-68.16817	41.13300	44	20.01	1.011
223	25-Oct-2022	20:50:27	-67.99550	41.25733	-67.98333	41.24400	51	20.00	0.971
224	25-Oct-2022	23:00:54	-68.05000	41.47033	-68.03800	41.45600	41	19.66	1.016
225	26-Oct-2022	01:53:29	-68.39817	41.36000	-68.39783	41.37650	64	20.01	0.990

Table 1. Station report of valid hauls from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
226	26-Oct-2022	04:22:45	-68.65717	41.36283	-68.63967	41.37300	92	20.01	0.998
227	26-Oct-2022	07:50:54	-69.08983	41.21767	-69.07333	41.20817	139	20.00	0.940
229	26-Oct-2022	11:08:07	-69.24183	41.26983	-69.23133	41.25567	92	19.88	0.973
230	26-Oct-2022	13:32:56	-69.41100	41.22067	-69.41400	41.23617	47	19.89	0.939
231	01-Nov-2022	20:20:11	-69.75033	42.13233	-69.75850	42.14800	216	20.02	1.008
232	02-Nov-2022	00:59:06	-69.16617	42.23167	-69.15583	42.24617	209	19.97	0.984
233	02-Nov-2022	04:27:51	-68.91517	41.97600	-68.90033	41.96367	137	20.01	0.994
234	02-Nov-2022	07:20:07	-68.88633	41.61817	-68.88250	41.63417	117	19.97	0.975
235	02-Nov-2022	10:44:55	-68.57083	41.81733	-68.56550	41.83367	172	20.01	1.008
236	02-Nov-2022	14:35:16	-68.02217	41.88550	-68.00817	41.89817	104	20.00	0.985
237	02-Nov-2022	16:49:57	-67.88033	41.81033	-67.86900	41.79567	42	20.00	1.016
238	02-Nov-2022	20:14:17	-67.80617	42.02533	-67.80483	42.04150	180	19.99	0.971
239	02-Nov-2022	22:46:01	-67.62683	42.14900	-67.62983	42.16467	186	19.90	0.949
240	03-Nov-2022	01:46:11	-67.19233	42.16483	-67.21450	42.16150	133	19.97	1.009
241	03-Nov-2022	03:31:48	-67.26933	42.08600	-67.27700	42.07083	51	20.01	0.972
242	03-Nov-2022	05:57:50	-67.24917	41.92267	-67.24083	41.90717	54	20.01	1.002
243	03-Nov-2022	08:18:24	-67.08500	42.07550	-67.10617	42.07333	56	20.00	0.955
244	03-Nov-2022	10:43:22	-67.06300	42.21383	-67.08483	42.21700	203	20.02	0.992
245	03-Nov-2022	13:00:31	-67.07550	42.31033	-67.09833	42.31150	299	20.02	1.019
247	03-Nov-2022	18:46:49	-66.76917	41.91467	-66.76733	41.89800	67	20.00	1.003
248	04-Nov-2022	00:47:44	-66.18200	41.32433	-66.18467	41.33967	205	19.95	0.927

Table 1. Station report of valid hauls from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
249	04-Nov-2022	03:09:13	-66.17950	41.30650	-66.17950	41.32333	202	20.00	1.009
250	04-Nov-2022	05:33:32	-66.13300	41.39500	-66.11083	41.39717	138	20.07	1.009
251	04-Nov-2022	07:52:04	-65.96750	41.53300	-65.97550	41.51733	155	20.00	1.006
252	04-Nov-2022	10:16:21	-66.11383	41.60683	-66.12883	41.61767	101	20.00	0.937
253	04-Nov-2022	13:10:31	-66.34767	41.83683	-66.34833	41.85383	85	20.03	1.020
254	04-Nov-2022	15:02:43	-66.35817	41.93683	-66.34983	41.95150	86	20.02	0.956
255	04-Nov-2022	17:01:00	-66.30283	42.01717	-66.28550	42.00883	80	20.00	0.922
256	04-Nov-2022	19:40:13	-66.15467	42.10200	-66.16383	42.08700	96	20.00	0.988
257	04-Nov-2022	21:48:40	-66.21883	42.15133	-66.23967	42.15017	176	19.99	0.932
258	05-Nov-2022	00:42:21	-66.46183	42.27567	-66.48433	42.27350	263	19.90	1.011
260	05-Nov-2022	04:44:36	-66.60300	42.31650	-66.62467	42.31100	293	20.01	1.019
261	05-Nov-2022	08:33:04	-66.47633	42.46783	-66.49733	42.46567	272	20.01	0.942
262	05-Nov-2022	10:58:31	-66.71000	42.58717	-66.73233	42.58433	216	20.02	1.004
263	05-Nov-2022	15:10:45	-67.22150	42.66350	-67.23167	42.65000	273	20.00	0.926
264	05-Nov-2022	20:18:08	-67.85583	42.45017	-67.87767	42.44917	215	19.99	0.972
265	05-Nov-2022	22:21:06	-67.86800	42.52133	-67.87550	42.50567	228	20.00	0.997
266	06-Nov-2022	01:57:48	-67.82450	42.87733	-67.83283	42.86233	207	19.90	0.972
267	06-Nov-2022	05:14:44	-68.15350	42.95683	-68.17283	42.94867	143	20.01	0.983
268	06-Nov-2022	08:10:13	-67.97500	43.08983	-67.98717	43.07583	183	20.00	0.996
269	06-Nov-2022	11:07:42	-67.63450	43.02267	-67.65267	43.01400	188	20.00	0.954
270	06-Nov-2022	13:12:46	-67.60733	42.91033	-67.61817	42.92433	218	20.00	0.966

Table 1. Station report of valid hauls from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
271	06-Nov-2022	16:24:16	-67.36267	43.00833	-67.38183	43.01733	226	20.01	1.002
272	06-Nov-2022	20:41:46	-66.83683	42.95767	-66.85000	42.94450	189	20.00	0.980
273	06-Nov-2022	23:53:35	-66.85667	43.29400	-66.86367	43.27733	189	19.95	1.046
274	07-Nov-2022	03:56:55	-67.08500	43.60117	-67.10800	43.59783	204	20.01	1.023
275	07-Nov-2022	07:42:13	-67.23033	43.84133	-67.23867	43.82800	182	20.00	0.878
277	07-Nov-2022	14:44:50	-67.07833	44.27333	-67.09500	44.26167	148	20.01	1.003
278	07-Nov-2022	17:46:42	-66.78667	44.32467	-66.80400	44.31467	192	20.00	0.958
279	07-Nov-2022	22:05:50	-67.26600	44.34567	-67.28783	44.34867	143	20.00	0.957
280	08-Nov-2022	01:35:22	-67.63767	44.27817	-67.65467	44.28867	98	19.88	0.966
281	08-Nov-2022	04:32:15	-67.39267	44.05950	-67.40033	44.07583	157	20.02	1.035
282	08-Nov-2022	19:52:34	-67.86883	43.95633	-67.84967	43.96533	164	20.00	0.991
283	08-Nov-2022	22:48:24	-68.04733	43.97183	-68.04067	43.98717	171	20.00	0.964
284	09-Nov-2022	06:04:01	-67.96350	43.53800	-67.97450	43.55250	230	20.01	0.994
285	09-Nov-2022	10:32:59	-68.37217	43.61883	-68.36633	43.63450	189	20.01	0.974
286	09-Nov-2022	13:33:06	-68.42983	43.69400	-68.42600	43.71017	193	20.02	0.984
287	09-Nov-2022	16:46:49	-68.41283	43.86433	-68.42667	43.85100	127	19.99	1.000
288	09-Nov-2022	23:40:30	-69.03050	43.26600	-69.04400	43.25283	167	19.90	0.987
289	10-Nov-2022	01:43:53	-68.95217	43.17417	-68.97250	43.16883	171	19.92	0.948
290	10-Nov-2022	04:26:00	-68.99200	43.13283	-69.01100	43.12483	164	20.04	0.963
291	10-Nov-2022	13:17:06	-70.03183	42.94133	-70.04533	42.92833	89	19.99	0.981
292	10-Nov-2022	15:35:44	-70.00567	43.03717	-70.00333	43.02100	144	20.00	0.975

Table 1. Station report of valid hauls from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
293	10-Nov-2022	18:17:46	-70.29800	43.15283	-70.30950	43.13883	116	20.00	0.980
294	10-Nov-2022	22:50:44	-70.34767	43.12533	-70.35350	43.11017	112	20.00	0.945
295	11-Nov-2022	02:30:17	-70.73017	42.77667	-70.73850	42.79217	34	19.95	1.000
296	11-Nov-2022	04:57:48	-70.65267	42.79283	-70.65300	42.80983	72	20.02	1.020
297	11-Nov-2022	06:30:11	-70.57933	42.77200	-70.59283	42.78583	91	20.00	1.022
298	11-Nov-2022	11:58:07	-70.72433	42.36900	-70.70967	42.35900	51	19.37	0.886
300	11-Nov-2022	14:57:33	-70.68750	42.28367	-70.68033	42.26833	33	20.25	0.974
301	11-Nov-2022	17:40:21	-70.53067	42.35233	-70.52067	42.33783	93	20.01	0.977
302	11-Nov-2022	19:50:11	-70.57450	42.20133	-70.56517	42.18667	44	19.98	0.973
303	12-Nov-2022	11:45:29	-70.36983	41.82383	-70.39050	41.81850	26	20.16	0.981
304	12-Nov-2022	13:40:54	-70.35383	41.97483	-70.37250	41.96667	47	20.05	0.968
305	12-Nov-2022	16:18:43	-70.46683	42.19583	-70.48917	42.19450	63	20.00	0.999
306	12-Nov-2022	19:00:05	-70.24117	42.35483	-70.22467	42.34383	47	20.01	0.987
308	12-Nov-2022	23:58:41	-69.75383	42.41267	-69.77150	42.40317	278	19.95	0.970
309	13-Nov-2022	03:03:40	-69.87967	42.61017	-69.87200	42.59467	214	20.00	0.990
310	13-Nov-2022	06:06:45	-69.65667	42.73500	-69.66900	42.74900	273	20.02	1.001
311	13-Nov-2022	08:21:07	-69.59283	42.66517	-69.60650	42.67867	274	20.00	1.011
312	13-Nov-2022	11:13:00	-69.46400	42.90983	-69.47417	42.89433	169	20.21	1.032
313	13-Nov-2022	13:44:06	-69.23250	42.81633	-69.23333	42.83300	146	20.08	1.000
314	13-Nov-2022	22:40:56	-70.42783	41.87117	-70.44283	41.88333	31	19.99	0.992
315	14-Nov-2022	00:31:57	-70.24750	41.86367	-70.26900	41.86033	29	19.96	0.984

Table 1. Station report of valid hauls from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Date	Time	Begin Longitude	Begin Latitude	End Longitude	End Latitude	Mean Depth	Tow Duration	Tow Distance (nm)
316	14-Nov-2022	01:57:04	-70.19350	41.88483	-70.21283	41.87683	29	19.96	0.990
317	14-Nov-2022	03:36:54	-70.21233	41.91767	-70.23300	41.92383	34	20.01	0.997
318	14-Nov-2022	05:23:20	-70.20200	41.98000	-70.22467	41.97750	36	20.04	1.025
319	14-Nov-2022	07:48:50	-70.21100	42.10050	-70.23300	42.09850	63	20.16	0.990
320	14-Nov-2022	11:19:38	-70.10100	42.08767	-70.12067	42.09500	32	20.01	0.982
321	14-Nov-2022	16:42:46	-69.89100	41.78883	-69.89833	41.80417	27	20.00	0.977
322	14-Nov-2022	19:11:55	-69.62467	41.62450	-69.63733	41.63817	68	20.00	0.998
324	15-Nov-2022	01:15:44	-69.32583	41.49917	-69.31183	41.48650	89	19.97	0.988
325	15-Nov-2022	03:33:59	-69.46933	41.38367	-69.49083	41.38900	34	20.05	1.022
326	15-Nov-2022	09:05:46	-68.95917	40.90767	-68.95467	40.92350	75	20.00	0.971
327	15-Nov-2022	13:03:57	-68.96333	40.67317	-68.96233	40.65633	68	20.12	1.010
328	15-Nov-2022	15:18:12	-69.15983	40.75417	-69.16267	40.73800	73	20.07	0.978
329	15-Nov-2022	16:41:30	-69.18783	40.68950	-69.18583	40.70550	71	20.01	0.964

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
5	0	0	0	0	0	0	0	5	1	0	39	0	0	0	0	0	0	0	0	0	0	0	30	80
6	0	0	0	0	0	0	0	20	0	0	729	83	0	0	0	0	0	0	0	0	0	0	31	869
7	0	1	0	0	0	0	0	1	4	0	0	131	0	105	0	0	0	0	0	0	0	0	1,063	1,312
8	0	0	0	0	0	0	0	0	0	0	1	7	0	0	3	10	0	0	0	0	0	0	84	113
9	0	0	0	0	0	0	0	12	0	0	194	51	0	0	1	2	0	0	0	0	0	0	134	403
10	0	0	0	0	0	0	0	22	0	0	17	60	0	0	71	0	0	0	0	0	0	0	932	1,112
11	0	1	0	0	0	0	0	4	1	0	1	1	0	3	12	1	0	0	0	0	0	0	303	338
12	0	1	0	0	0	0	0	1	2	0	3	5	0	0	29	2	0	0	0	0	0	0	803	858
13	0	0	0	0	0	0	0	0	7	0	0	76	0	5	1	0	0	0	0	0	1	0	2,329	2,432
14	0	0	0	0	0	0	0	0	0	0	3	396	0	0	0	0	0	0	0	0	0	0	37	450
16	0	8	0	0	0	0	0	0	2	0	4	6	0	26	2	0	0	0	0	0	0	0	732	796
17	0	0	0	0	0	0	0	0	0	0	190	11	0	0	2	0	0	0	0	0	0	0	30	250
18	0	0	0	0	0	0	0	4	1	0	1,208	59	0	2	2	0	0	0	0	0	0	0	724	2,018
19	0	1	0	0	0	0	0	254	0	0	934	1	0	1	0	1	0	0	0	0	0	0	1,372	2,583
20	0	0	0	0	0	0	0	10	0	0	24	0	0	0	19	2	0	0	9	0	0	0	146	230

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
21	0	2	0	0	0	0	0	0	1	0	12	0	0	0	13	0	0	0	3	0	0	0	351	403
22	0	0	0	0	0	0	0	15	0	0	26	0	0	0	3	0	0	0	1	0	0	0	489	556
23	0	0	0	0	0	0	0	1	0	0	17	0	0	0	0	0	1	0	3	0	0	0	641	686
24	0	0	0	0	0	0	0	5	0	0	96	0	0	0	0	0	1	0	3	0	0	0	437	566
25	0	0	0	0	0	0	0	3	4	0	2,789	14	0	0	2	1	0	0	0	0	0	0	15	2,853
26	0	0	0	0	0	0	0	1	2	0	530	10	0	0	0	1	0	0	0	0	0	0	23	593
27	0	1	0	0	0	0	0	1	2	0	131	31	0	1	280	0	0	0	0	0	0	0	262	736
28	0	0	0	0	0	0	0	0	1	0	4,053	61	0	0	0	0	0	0	0	0	0	0	39	4,182
29	0	0	0	0	0	0	0	1	1	0	2,478	71	0	1	0	0	0	0	0	0	0	0	6	2,587
30	0	0	0	0	0	0	0	174	0	0	72	0	0	0	0	0	0	0	0	0	0	0	1,108	1,384
31	0	0	0	0	0	0	0	166	0	0	307	0	0	0	0	0	0	0	0	0	0	0	104	608
32	0	0	0	0	0	0	0	106	0	0	9	12	0	0	1	0	0	0	0	0	0	0	208	368
33	0	0	0	0	0	0	0	1	0	0	11	20	0	1	2	0	0	0	0	0	0	0	122	190
35	0	0	0	0	0	0	0	0	13	0	13	14	0	124	19	1	0	0	0	0	0	0	353	572
36	0	1	0	0	0	0	0	0	0	0	0	121	0	4	11	0	0	0	0	0	0	0	1,333	1,506

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total	
37	0	0	0	0	0	0	0	3	1	0	469	12,383	0	0	0	0	0	0	0	0	0	0	56	12,949	
38	0	0	0	0	0	0	0	0	14	0	11	37	0	46	11	0	0	0	0	0	0	0	0	1,634	1,791
39	0	0	0	0	0	0	0	9	0	0	675	43	0	2	0	0	0	0	0	0	0	0	0	187	955
40	0	0	0	0	0	0	0	0	1	0	1,141	19	0	0	0	1	0	0	0	0	0	0	0	1,362	2,564
42	0	0	0	0	0	0	0	198	0	0	39	0	0	0	0	0	2	0	1	0	0	0	0	1,070	1,352
43	0	0	0	0	0	0	2	34	0	0	109	0	0	0	0	0	2	0	2	0	0	0	0	867	1,059
44	0	0	0	0	0	0	0	21	0	0	86	0	0	0	0	0	5	0	0	0	0	0	0	2,772	2,928
45	0	0	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	1	0	0	0	0	147	258
46	0	0	0	0	0	0	1	0	0	0	35	0	0	0	0	0	0	0	1	0	0	0	0	147	230
47	0	0	0	0	0	0	0	2	0	0	1,182	0	0	0	0	0	1	0	0	0	0	0	0	7	1,239
48	0	0	0	0	0	0	0	3	0	0	760	0	0	0	0	0	0	0	0	0	0	0	0	62	873
49	0	0	0	0	0	0	0	48	0	0	359	0	0	0	0	0	0	0	0	0	0	0	0	115	571
50	0	0	0	0	0	0	0	13	0	0	55	48	0	0	7	0	0	0	0	0	0	0	0	1,920	2,093
51	0	0	0	0	0	0	0	7	1	0	157	38	0	0	0	0	0	0	0	0	0	0	0	1,236	1,490

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total	
52	0	0	0	0	0	0	0	29	9	0	1,077	9	0	0	3	2	0	0	0	0	0	0	0	177	1,358
53	0	0	0	0	0	0	0	5	2	0	827	12	0	0	0	0	0	0	0	0	0	0	0	113	1,012
54	0	0	0	0	0	0	0	4	0	0	232	49	0	0	1	0	0	0	0	0	0	0	0	32	372
55	0	0	0	0	0	0	0	253	0	0	3,592	28	0	0	0	0	0	0	0	0	0	0	0	21	3,949
56	0	0	0	0	0	0	0	73	1	0	1,494	0	0	0	0	0	0	0	0	0	0	0	0	27	1,651
57	0	0	0	0	0	0	0	6	0	0	241	0	0	0	0	0	0	0	0	0	0	0	0	35	339
59	0	0	0	0	0	0	0	0	0	0	73	0	0	0	0	0	0	0	0	0	0	0	0	52	184
60	0	0	0	0	0	0	0	11	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	182	268
61	0	0	0	0	0	0	0	2	0	0	457	0	0	0	0	0	0	0	0	0	0	0	0	166	686
63	0	0	0	0	0	0	0	0	0	0	752	1	0	0	0	0	0	0	0	0	0	0	0	117	933
64	0	0	0	0	0	0	0	0	0	0	164	0	0	0	0	0	0	0	0	0	0	0	0	167	395
65	0	0	0	0	0	0	0	1	0	0	195	0	0	0	0	0	0	0	0	0	0	0	0	64	325
66	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	0	0	25	167
67	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	71	202
68	0	0	0	0	0	0	0	0	0	0	89	0	0	0	0	0	0	0	0	0	0	0	0	17	174

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
69	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	12	87
70	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	70	155
71	0	0	0	0	0	0	0	1	0	0	49	123	0	0	1	0	0	0	0	0	0	0	104	349
72	0	0	0	0	0	0	0	0	0	0	255	10	0	0	0	0	0	0	0	0	0	0	76	413
73	0	0	0	0	0	0	0	0	0	0	201	0	0	0	0	0	0	0	0	0	0	0	324	598
75	0	0	0	0	0	0	0	0	0	0	86	105	0	0	0	0	0	0	0	0	0	0	81	347
77	0	1	0	0	0	0	0	0	22	0	997	498	0	0	1	0	0	0	0	0	0	0	3,416	5,012
78	0	0	0	0	0	0	0	0	95	0	227	68	0	1	252	0	0	0	0	0	0	0	4,150	4,871
79	0	0	0	0	0	0	0	526	3	0	255	0	0	0	0	0	0	0	0	0	0	0	5,594	6,457
80	0	0	0	0	0	0	0	12	0	0	253	0	0	0	0	0	0	0	0	0	0	0	73	418
81	0	0	0	0	0	0	0	32	0	0	119	0	0	0	0	0	0	0	0	0	0	0	1,080	1,312
82	0	0	0	0	0	0	0	19	0	0	88	0	0	0	0	0	0	0	1	0	0	0	425	615
83	0	0	0	0	0	0	0	34	0	0	125	0	0	0	0	0	0	0	0	0	0	0	146	388
84	0	0	0	0	0	0	0	67	0	0	28	0	0	0	0	0	0	0	2	0	0	0	561	742
85	0	0	0	0	0	0	1	4	0	0	140	0	0	0	0	0	0	0	0	0	0	0	29	259

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total	
86	0	0	0	0	0	0	0	799	0	0	359	0	0	0	0	0	1	0	0	0	0	0	0	66	1,311
87	0	0	0	0	0	0	0	28	0	0	570	0	0	0	0	0	1	0	0	0	0	0	0	79	765
88	0	0	0	0	0	0	0	7	0	0	410	0	0	0	0	0	4	0	0	0	0	0	0	817	1,326
89	0	0	0	0	0	0	10	1,685	0	0	381	0	0	0	0	0	0	0	1	0	0	0	0	7,801	9,967
90	0	0	0	0	0	0	0	4,244	0	0	761	0	0	0	0	0	4	0	0	0	0	0	0	454	5,553
91	0	0	0	0	0	0	0	150	0	0	640	0	0	0	0	0	1	0	4	0	0	0	0	1,070	1,956
92	0	0	0	0	0	0	1	34	0	0	140	0	0	0	0	0	7	0	11	0	0	0	0	913	1,198
93	0	0	0	0	0	0	0	94	0	0	24	0	0	0	1	0	5	0	5	0	0	0	0	9,096	9,318
94	0	0	0	0	0	0	0	105	0	0	177	0	0	0	0	0	0	0	0	0	0	0	0	11,360	11,736
95	0	0	0	0	0	0	0	135	0	0	92	0	0	0	0	0	0	0	2	0	0	0	0	9,427	9,751
96	0	0	0	0	0	0	0	99	0	0	357	0	0	0	0	0	5	0	1	0	0	0	0	566	1,124
97	0	0	0	0	0	0	0	5	0	0	304	0	0	0	0	0	2	0	1	0	0	0	0	922	1,331
98	0	0	0	0	0	0	25	21	0	0	636	0	0	0	0	0	1	0	0	0	0	0	0	2,288	3,069
99	0	0	0	0	0	0	0	4	0	0	140	0	0	0	0	0	3	0	2	0	0	0	0	28	276
100	0	0	0	0	0	0	0	3	0	0	1,848	0	0	0	1	1	1	0	1	0	0	0	0	154	2,109

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
101	0	0	0	0	0	0	0	4	0	0	2,025	0	0	0	0	0	0	0	0	0	0	0	116	2,246
102	0	0	0	0	0	0	0	22	0	0	377	0	0	0	37	0	1	0	0	0	0	0	366	905
103	0	0	0	0	0	0	0	3	0	0	137	0	0	0	3	0	4	0	0	0	0	0	470	720
104	0	0	0	0	0	0	0	10	0	0	261	0	0	0	0	0	2	0	1	0	0	0	442	820
105	0	0	0	0	0	0	0	7	0	0	134	0	0	0	9	0	2	0	0	0	0	0	209	466
106	0	0	0	0	0	0	0	452	0	0	78	0	0	0	3	0	4	0	8	0	0	0	580	1,231
107	0	0	0	0	0	0	0	666	0	0	108	0	0	0	3	0	11	0	4	0	0	0	1,079	1,978
108	0	0	0	0	0	0	0	165	0	0	224	0	0	0	7	0	3	0	4	0	0	0	221	732
109	0	0	0	0	0	0	0	0	0	0	205	0	0	0	0	0	0	0	1	0	0	0	106	421
110	0	0	0	0	0	0	0	0	0	0	1,800	0	0	0	0	2	0	0	1	0	0	0	31	1,944
111	0	0	0	0	0	0	0	5	0	0	1,233	5	0	1	1	0	0	0	0	0	0	0	311	1,667
112	0	0	0	0	0	0	0	5	1	0	368	17	0	1	0	1	0	0	0	0	0	0	92	597
113	0	0	0	0	0	0	0	470	0	0	525	7	0	3	2	0	0	0	0	0	0	0	42	1,162
114	0	0	0	0	0	0	0	3,881	1	0	430	33	0	0	15	0	0	0	0	0	0	0	490	4,964
115	0	0	0	0	0	0	0	125	5	0	5	29	0	15	51	2	0	0	0	0	0	0	822	1,169

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total	
116	0	0	0	0	0	0	0	6	6	0	4	60	0	65	12	1	0	0	0	0	0	0	0	1,141	1,411
117	0	0	0	0	0	0	0	22	3	0	111	135	0	0	6	0	0	0	0	0	0	0	0	495	889
118	0	0	0	0	0	0	0	38	0	0	143	54	0	3	43	0	0	0	0	0	0	0	0	410	809
119	0	0	0	0	0	0	0	14	1	0	113	39	0	0	4	1	0	0	0	0	0	0	0	178	469
120	0	0	0	0	0	0	0	62	0	0	354	51	0	1	3	0	0	0	0	0	0	0	0	118	709
121	0	0	0	0	0	0	0	359	0	0	732	26	0	1	2	0	0	0	0	0	0	0	0	28	1,269
122	0	1	0	0	0	0	0	3,819	1	0	3,013	3	8	4	0	0	0	0	0	0	0	0	0	807	7,778
123	0	0	0	0	0	0	0	55	0	0	1,270	0	0	1	1	0	0	0	2	0	0	0	0	223	1,675
124	0	0	0	0	0	0	0	22	0	0	245	0	0	0	2	0	0	0	5	0	0	0	0	227	625
125	0	0	0	0	0	0	0	3	0	0	210	0	0	1	27	0	1	0	5	0	0	0	0	1,240	1,612
126	0	0	0	0	0	0	0	130	0	0	25	0	0	1	47	64	10	0	1	1	0	0	0	857	1,262
127	0	0	0	0	0	0	0	93	0	0	115	0	0	1	51	0	8	0	1	0	0	0	0	1,319	1,715
128	0	0	0	0	0	0	0	19	0	0	687	0	0	0	6	0	8	0	5	0	0	0	0	3,020	3,873
129	0	0	0	0	0	0	0	9	0	0	27	0	0	0	6	0	6	0	0	0	0	0	0	1,394	1,571
130	0	0	0	0	0	0	3	294	0	0	58	0	0	1	2	0	6	0	0	0	0	0	0	1,917	2,411

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
131	0	0	0	0	0	0	5	36	0	0	380	0	0	0	0	0	4	0	1	0	0	0	588	1,145
132	0	6	0	0	0	0	22	348	0	0	821	0	0	0	6	0	3	0	1	0	0	0	12,403	13,742
133	0	1	0	0	0	0	24	2,675	0	0	587	0	0	0	1	0	3	0	0	0	0	0	1,833	5,257
134	0	0	0	0	0	0	0	278	0	0	868	0	0	0	0	0	9	0	0	0	0	0	71	1,360
135	0	1	0	0	0	0	0	13,082	0	0	2,413	0	0	1	400	0	21	0	0	4	0	0	144	16,201
136	0	0	0	0	0	0	0	181	0	0	93	0	0	0	0	0	5	0	5	0	0	0	1,282	1,702
137	0	0	0	0	0	0	0	24	0	0	173	0	0	0	1	0	5	0	12	0	0	0	857	1,209
138	0	11	0	0	0	4	45	9,632	0	0	1,451	0	0	1	25	8	15	0	0	14	0	0	9,830	21,174
139	0	17	0	0	0	2	27	5,427	0	0	3,705	0	0	22	160	2	4	0	0	10	0	0	3,119	12,634
140	0	0	0	0	0	1	1	410	0	0	743	0	0	0	1	1	1	0	0	1	0	0	2,180	3,479
142	0	5	0	0	0	1	2	358	0	0	592	0	0	12	259	0	13	0	0	23	0	0	6,337	7,744
143	0	0	0	0	0	0	0	172	1	0	7	0	0	20	600	29	33	0	14	2	0	0	4,873	5,894
144	0	0	0	0	0	0	0	102	0	0	24	0	0	5	467	5	35	0	47	9	0	1	2,608	3,447
145	0	0	0	0	0	0	2	155	0	0	43	0	0	3	890	30	1	0	104	1	0	0	6,993	8,367
147	0	0	0	0	0	0	4	54	0	0	643	0	0	0	95	39	1	0	67	0	0	0	6,583	7,633

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total	
148	0	0	0	0	0	0	0	8,933	0	0	564	0	0	0	6	36	1	0	30	0	0	0	0	11,489	21,207
149	0	0	0	0	0	0	0	15,901	0	0	1,825	0	0	1	124	3	7	0	6	3	0	0	0	2,749	20,768
150	0	1	0	0	1	0	0	8,227	1	0	2,878	0	0	34	133	83	3	0	0	0	0	0	0	849	12,360
151	0	3	0	0	0	0	0	30,742	15	0	2,683	3	0	23	300	5	0	0	0	0	0	0	0	1,373	35,298
152	0	2	0	0	0	0	0	2	0	0	56	125	0	0	0	0	0	0	0	0	0	0	0	403	740
153	0	0	0	0	0	0	0	13	0	0	38	70	0	0	1	0	0	0	0	0	0	0	0	276	551
154	0	14	0	0	0	0	0	1	5	0	4	20	0	0	0	0	0	0	0	0	0	1	0	193	392
155	0	0	0	0	0	0	0	27	1	0	3,014	85	0	0	0	1	0	0	0	0	0	0	0	114	3,397
156	0	1	0	0	0	0	0	144	0	0	1,963	62	0	0	0	0	0	0	0	0	0	0	0	46	2,372
157	0	10	0	0	0	0	0	6	1	0	779	282	0	0	3	0	0	0	0	0	0	0	0	220	1,458
158	0	15	0	0	0	0	0	0	5	0	149	112	0	15	9	0	0	0	0	0	0	1	0	231	695
159	0	0	0	0	0	0	0	914	0	0	5,623	53	0	0	2	0	0	0	0	0	0	0	0	44	6,795
160	0	1	0	0	0	0	0	74	4	0	547	4	0	1	20	0	0	0	0	0	0	0	0	157	968
161	0	0	0	0	0	0	0	2,351	8	0	46	2	0	18	34	0	0	0	0	0	0	0	0	279	2,899
162	0	0	0	0	0	0	0	1,056	6	0	79	1	0	35	17	0	5	0	0	0	0	0	0	418	1,779

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
163	0	2	0	0	0	0	0	11	2	0	16	6	0	1	349	0	0	0	0	0	0	0	598	1,148
164	0	1	0	0	0	0	0	2	2	0	723	260	0	13	290	0	0	0	0	0	0	0	522	1,977
165	0	0	0	0	0	0	0	74	5	0	3,297	1	0	2	6	0	0	0	0	0	0	0	33	3,583
166	0	0	0	0	0	0	0	17	0	0	1,732	0	0	0	0	3	4	0	0	0	0	0	128	2,050
167	0	1	0	0	0	0	0	0	0	0	185	0	0	0	0	0	7	0	1	1	0	0	702	1,064
168	0	0	0	0	0	0	1	17	0	0	555	0	0	0	16	0	21	0	1	0	0	0	1,573	2,352
169	0	0	0	0	0	0	0	0	0	0	1,251	0	0	0	7	0	12	0	0	0	0	0	786	2,225
170	0	0	0	0	0	0	1	1	0	0	1,479	0	0	0	9	0	8	0	0	0	0	0	571	2,239
171	0	0	0	0	0	0	0	0	0	0	1,504	0	0	1	0	0	6	0	0	0	0	0	353	2,035
172	0	0	0	0	0	0	0	61	0	0	1,830	0	0	3	0	0	13	0	0	0	0	0	331	2,410
173	0	0	0	0	0	0	0	152	0	0	1,235	0	0	0	2	4	4	0	0	0	0	0	109	1,679
174	0	0	0	0	0	0	0	6,091	0	0	2,810	0	0	0	1	3	8	0	1	0	0	0	312	9,400
175	0	0	0	0	0	0	0	199	1	0	2,466	0	0	7	193	4	8	0	0	0	0	0	127	3,180
176	0	1	0	0	0	0	0	36	2	0	71	0	0	6	155	593	19	0	0	0	0	0	788	1,847
177	0	0	0	0	0	0	0	86	0	0	928	0	0	0	8	0	37	0	10	0	0	0	1,326	2,572

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
178	0	0	0	0	0	0	0	106	0	0	1,398	0	0	0	6	2	41	0	10	2	0	0	2,258	4,001
179	0	0	0	0	0	0	0	225	0	0	671	0	0	0	2	0	24	0	18	2	0	0	996	2,117
180	0	0	0	0	0	0	0	22	0	0	695	0	0	0	0	0	10	0	9	2	0	0	593	1,511
181	0	0	0	0	0	1	0	136	0	0	1,360	0	0	0	5	0	6	0	2	7	0	0	2,217	3,915
182	0	0	0	0	0	5	2	172	0	0	2,353	0	0	0	1	0	17	0	0	2	0	0	6,933	9,667
183	0	0	0	0	0	0	0	12	0	0	1,103	0	0	1	12	62	20	0	1	1	0	0	1,385	2,780
184	0	0	0	0	0	0	0	1,881	0	0	1,055	0	0	6	74	83	2	0	0	1	0	0	2,209	5,495
185	0	0	0	0	0	0	0	36,707	0	0	4,987	0	0	1	73	41	5	0	0	0	0	0	541	42,540
186	0	0	0	0	0	0	0	264	0	0	48	0	0	136	1,472	19	10	0	0	0	0	0	4,584	6,719
187	0	0	0	0	0	1	0	762	2	0	279	0	0	758	653	0	10	0	1	4	0	1	1,153	3,811
188	0	1	0	0	0	0	0	716	1	0	231	3	0	58	345	0	4	0	0	0	0	0	346	1,893
189	0	1	0	0	0	0	0	150	4	0	283	4	0	424	525	1	1	0	0	0	0	0	2,102	3,684
190	0	23	0	0	0	0	0	8	1	0	132	5	0	0	1	7	0	0	0	0	0	0	119	486
191	0	21	0	0	0	0	0	10	1	0	25	36	0	13	2	0	0	0	0	0	0	0	150	449
192	0	0	0	0	0	0	0	16	0	0	772	294	0	89	1	0	0	0	0	0	0	0	162	1,526

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total	
193	0	0	0	0	0	0	0	342	6	0	190	16	0	15	82	0	0	0	0	0	0	0	0	642	1,486
194	0	5	0	0	0	0	0	110	4	0	13	0	0	68	61	0	0	0	0	0	0	0	0	559	1,014
195	0	6	0	0	0	0	0	495	3	1	32	27	0	145	46	0	0	0	0	0	0	0	0	817	1,767
196	0	0	0	0	0	0	0	202	1	0	216	18	0	12	109	16	0	0	0	0	0	0	1	316	1,087
197	0	0	0	0	0	0	0	1,335	1	0	545	88	0	5	21	0	0	0	0	0	0	0	0	80	2,272
198	0	0	0	0	0	0	0	74	1	0	770	59	0	0	0	0	0	0	0	0	0	0	0	109	1,211
199	0	0	0	0	0	0	0	9	0	0	27	10	0	0	0	0	0	0	0	0	0	0	0	77	322
200	0	0	0	0	0	0	0	0	0	0	111	9	0	0	0	0	0	0	0	0	0	0	0	56	376
201	0	0	0	0	0	0	0	713	0	0	788	21	0	0	2	0	0	0	0	0	0	0	0	64	1,789
202	0	0	0	0	0	0	0	208	0	0	78	23	0	49	60	0	0	0	0	0	0	0	0	254	874
203	0	2	0	0	0	0	0	469	1	1	15	8	0	388	46	0	0	0	0	0	0	0	0	547	1,680
204	0	3	0	0	0	0	0	20	2	0	0	1	0	7	80	0	0	0	0	0	0	0	0	833	1,150
206	0	6	0	0	0	0	0	4	1	0	0	2	0	220	27	0	0	0	0	0	0	0	0	447	913
207	0	0	0	0	0	0	0	211	1	0	0	16	0	12	15	0	0	0	0	0	0	0	0	89	551
208	0	1	0	0	0	0	0	27	0	0	72	1	0	0	8	0	0	0	0	0	0	0	0	26	343

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
209	0	10	0	0	0	0	0	23	5	3	231	5	0	220	10	26	0	0	1	4	0	1	910	1,658
210	0	0	0	0	0	0	0	43	0	2	267	3	0	73	13	0	0	0	0	0	0	0	1,583	2,194
211	0	2	0	0	0	0	0	106	0	0	8	0	0	5	3	0	0	0	0	0	0	0	49	384
212	0	1	0	0	0	0	0	79	1	14	768	8	0	168	189	27	0	0	0	0	0	0	4,558	6,025
213	0	1	0	0	0	0	0	83	2	1	40	6	0	45	29	56	0	0	0	0	0	2	259	737
215	0	20	0	0	0	0	0	1,344	0	2	97	4	0	39	73	1	2	0	4	1	0	1	817	2,620
216	0	0	0	0	0	0	0	21	0	0	126	1	0	2	71	164	2	0	10	0	0	0	568	1,181
217	0	0	0	0	0	0	0	1,767	0	0	180	0	0	2	46	221	2	0	13	0	0	0	529	2,977
218	0	0	0	0	0	0	0	17	0	0	351	0	0	0	0	10	2	0	1	0	0	0	81	680
219	0	2	0	0	0	0	0	164	1	0	3,925	32	0	11	8	336	3	0	0	1	0	0	78	4,780
220	0	0	0	0	0	4	0	289	0	0	20,313	157	0	2	3	134	0	0	0	2	0	0	92	21,216
221	0	0	0	0	0	1	0	19	0	0	437	2	0	0	3	100	2	0	1	0	0	0	550	1,336
222	0	0	0	0	0	0	0	6	0	0	476	0	0	0	12	30	0	0	11	0	0	0	1,123	1,880
223	0	0	0	0	0	0	0	115	0	0	67	0	0	0	1	8	0	0	14	0	0	0	266	694
224	0	0	0	0	0	1	0	100	0	0	514	0	0	0	1	35	0	0	28	0	0	0	2,527	3,430

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
225	0	0	0	0	0	0	0	512	0	0	444	4	0	2	167	422	4	0	35	0	0	0	524	2,339
226	0	5	0	0	3	0	0	6	5	1	1	1	0	357	1,160	229	0	0	1	3	0	0	785	2,783
227	1	1	0	0	54	0	0	11	1	0	7	5	0	53	54	74	0	0	0	1	0	0	241	730
229	9	3	0	9	6	0	0	33	2	31	629	9	0	21	55	10	0	0	0	14	0	9	405	1,474
230	0	22	0	217	2	0	0	1,785	0	1	200	2	0	1	4	232	0	0	0	96	0	0	140	2,932
231	2	0	6	0	108	0	0	4	8	6	0	5	0	326	13,699	12	0	9	0	0	1	0	28	14,445
232	47	0	13	0	74	0	0	20	6	0	0	2	0	158	1,765	4	0	3	0	0	0	0	29	2,353
233	174	0	8	0	114	0	0	1	13	19	0	0	0	41	2,040	45	0	2	0	0	20	0	31	2,741
234	3	0	33	0	995	0	0	13	9	261	12	4	0	31	175	19	0	0	0	0	3	0	504	2,296
235	683	1	6	1	124	0	0	2	8	10	0	2	0	375	975	135	0	2	0	0	7	0	40	2,606
236	14	4	0	0	0	0	0	33	3	3	667	3	1	354	525	0	0	0	0	5	0	0	549	2,397
237	0	13	0	0	0	2	0	46	0	0	204	0	0	15	118	7	0	0	1	233	0	0	268	1,144
238	0	5	6	0	95	0	0	10	19	1	7	2	0	714	5,479	2	0	1	0	3	31	0	56	6,669
239	34	2	0	1	285	0	0	14	5	24	0	3	0	120	3,170	4	0	4	0	0	0	0	29	3,934

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
240	1	6	0	0	2	0	0	4	3	2	0	4	0	73	173	0	0	0	0	0	1	0	549	1,058
241	0	4	0	0	0	112	0	49,259	4	0	107	5	0	21	303	7	0	0	1	34	0	0	531	50,629
242	0	303	0	3	0	6	0	0	2	0	228	2	0	22	4	53	0	0	0	110	0	0	392	1,367
243	0	11	0	1	1	1,526	0	24	2	1	134	2	0	11	5	11	0	0	0	53	0	0	389	2,414
244	4	9	0	0	125	4	0	2	23	0	10	56	0	90	1,748	1	0	0	0	0	2	0	38	2,356
245	0	1	0	0	1	0	0	3	2	17	0	44	0	34	857	188	0	21	0	0	0	0	56	1,469
247	0	45	0	2	0	4	0	106	1	0	83	10	0	56	188	141	0	3	0	221	0	0	1,469	2,576
248	0	25	0	0	0	0	0	10	0	0	9	0	0	1,504	535	3	0	0	0	0	0	0	168	2,502
249	0	31	0	0	0	0	0	0	1	0	0	3	0	652	191	3	0	0	0	0	0	0	114	1,244
250	0	22	0	0	0	0	0	1	0	0	538	146	0	87	711	1,144	0	0	0	0	0	0	155	3,054
251	0	44	0	0	0	0	0	0	0	2	440	40	3	43	32	16	0	0	0	0	0	0	38	909
252	0	41	0	0	0	0	0	238	1	40	663	3	0	5	7	10	0	0	0	0	0	11	326	1,597
253	0	15	0	0	0	65	0	15	1	189	1,378	32	0	7	14	4	0	0	0	9	0	3	1,000	2,985
254	0	27	0	37	0	6	0	5	8	2,602	34	5	0	11	1	0	0	0	0	17	0	2	545	3,554

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
255	0	10	0	33	0	1	0	1	1	178	2	1	0	21	470	2	0	0	0	3	0	0	1,145	2,123
256	0	4	0	0	0	3	0	2	0	279	1	5	0	19	839	19	0	0	0	1	0	0	262	1,690
257	1	13	0	0	0	1	0	3	0	4	1	0	0	3	97	1	0	0	0	0	0	0	80	461
258	9	1	0	0	0	0	0	18	0	21	0	8	0	168	563	4	0	4	0	0	0	0	596	1,650
260	63	4	0	0	0	0	0	0	1	34	0	18	0	15	167	32	0	8	0	0	0	0	110	712
261	1	4	0	0	2	0	0	1	0	306	0	24	3	6	153	13	0	3	0	0	0	0	304	1,081
262	4	8	0	0	0	0	0	11	1	4	2	57	1	7	9,409	6	0	1	0	0	0	0	45	9,818
263	4	3	1	0	1	0	0	268	18	30	0	94	0	64	1,622	10	0	6	0	0	0	0	39	2,423
264	13	1	0	0	5	0	0	2	15	0	0	17	0	128	3,393	8	0	7	0	0	22	0	16	3,891
265	22	0	2	0	4	0	0	1	25	0	0	7	0	107	2,457	51	0	6	0	0	1	0	14	2,962
266	4	0	9	0	22	0	0	8	19	1	0	0	0	108	2,951	25	0	10	0	0	3	0	20	3,446
267	40	3	0	2	15	0	0	12	2	206	0	2	76	30	292	7	0	0	0	0	3	0	38	995
268	219	0	0	0	60	0	0	9	3	4	2	8	1	44	1,090	5	0	2	0	0	5	0	33	1,753
269	368	1	0	0	3	0	0	8	3	2	0	4	1	46	286	12	0	9	0	0	15	0	61	1,088
270	5	4	0	0	3	0	0	7	7	1	0	2	0	33	897	50	0	9	0	0	1	0	39	1,328

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
271	0	4	0	0	8	0	0	4	18	1	0	19	0	64	1,786	5	0	10	0	0	0	0	21	2,211
272	10	20	0	0	2	0	0	27	2	2	0	0	0	78	1,440	30	0	4	0	0	0	0	16	1,903
273	5	14	0	0	7	0	0	6	18	0	0	0	0	43	2,140	267	0	6	0	0	3	0	53	2,835
274	21	14	1	0	12	1	0	27	32	0	0	2	0	49	14,659	235	0	9	0	0	1	0	184	15,521
275	1,500	4	0	0	16	1	0	11	14	2	0	1	0	75	2,003	108	0	5	0	0	6	0	43	4,064
277	2	18	0	0	2	1	0	1	2	3	0	0	0	117	1,234	25	0	7	0	2	57	0	62	1,810
278	41	36	0	0	156	1	0	2	0	17	0	1	0	24	34,060	4	0	0	0	0	0	0	80	34,700
279	1	9	0	0	16	1	0	2	6	0	0	2	0	102	834	20	0	1	0	13	41	0	57	1,384
280	0	21	2	0	0	1	0	9	10	2	0	1	0	39	2,807	1	0	47	0	62	2	2	26	3,312
281	1	0	0	0	31	0	0	9	14	1	0	0	0	65	5,004	54	0	14	0	0	22	0	32	5,528
282	7	5	10	0	9	0	0	0	11	0	1	0	205	189	6,494	6	0	2	0	0	17	0	32	7,270
283	19	111	0	0	3	0	0	2	7	1	0	0	1	94	3,689	3	0	9	0	0	4	0	32	4,258
284	12	4	3	0	7	1	0	0	25	2	0	16	0	156	6,240	294	0	13	0	0	2	0	11	7,070
285	57	4	6	0	0	0	0	1	14	20	0	4	1	200	2,406	9	0	5	0	0	77	0	41	3,130

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
286	22	5	33	0	0	0	0	2	23	5	0	2	1	251	3,453	5	0	8	0	0	74	0	76	4,246
287	2	78	7	0	7	3	0	10	10	33	0	9	0	176	1,094	1	0	13	0	6	7	0	40	1,783
288	59	1	43	0	15	0	0	5	9	10	0	0	0	198	3,294	84	0	5	0	0	79	0	39	4,129
289	36	1	24	0	7	1	0	11	14	3	0	2	0	253	2,279	14	0	11	0	0	102	0	40	3,087
290	489	0	24	0	35	0	0	3	22	47	0	2	0	167	3,177	4	0	3	0	0	22	0	53	4,338
291	8	1	5	2	1	0	0	4	4	500	32	0	3	101	477	213	0	0	0	14	0	10	85	1,751
292	921	0	12	1	0	0	0	0	19	2	0	1	1	292	869	15	0	2	0	0	48	0	30	2,505
293	5	187	32	0	7	0	0	1	12	1	0	0	0	275	2,761	1	0	2	0	0	10	6	13	3,606
294	2	177	10	1	24	0	0	3	28	0	0	1	0	79	3,168	0	0	5	0	3	5	1	9	3,810
295	0	33	0	0	0	284	0	4	11	0	325	0	0	8	178	0	0	0	4	26	0	32	1,625	2,825
296	0	190	6	0	43	14	0	1	34	0	21	0	0	94	2,840	0	0	2	5	13	0	282	121	3,962
297	0	106	74	0	58	1	0	8	33	5	37	0	0	64	6,854	1	0	1	7	16	1	192	150	7,905
298	37	192	3	17	49	5	0	1,539	3	0	72	0	12	33	357	0	0	0	0	135	0	6	2,387	5,145
300	0	58	0	9	2	184	0	211	2	0	16	0	0	0	22	0	3	0	0	111	0	52	237	1,207
301	8	13	286	0	238	4	0	8	5	1	1	0	0	102	6,230	0	0	0	0	6	0	1	53	7,257

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
302	1	48	9	2	9	10	0	0	49	0	1	0	0	35	3,645	0	3	3	13	387	0	458	458	5,433
303	0	4	0	0	0	0	0	2,674	3	0	944	0	0	1	73	1	5	0	45	189	0	1	259	4,502
304	0	21	0	0	7	0	0	139	9	0	344	0	0	20	568	8	1	0	1	126	0	9	139	1,696
305	0	53	26	0	216	11	0	8,355	29	0	3,519	0	0	75	4,767	3	0	0	0	96	1	153	99	17,708
306	0	22	0	51	0	9	0	162	2	1	71	4	6	127	263	100	0	0	0	115	0	498	737	2,474
308	11	0	23	1	14	1	0	1	8	3	0	13	0	65	16,596	88	0	9	0	0	0	0	78	17,219
309	7	0	34	0	8	0	0	2	7	3	0	3	0	42	5,737	35	0	9	0	0	1	0	23	6,220
310	3	0	4	0	3	0	0	0	18	40	0	47	0	46	6,782	8	0	7	0	0	4	0	36	7,308
311	1	0	8	0	0	0	0	0	20	1	0	110	0	53	4,127	6	0	4	0	0	3	0	67	4,711
312	401	0	36	0	5	2	0	1	8	2	0	53	0	207	2,606	9	0	8	0	0	2	0	190	3,842
313	5,179	1	58	0	2	1	0	1	13	38	0	34	0	86	1,838	5	0	3	0	0	14	0	231	7,817
314	20	6	1	0	0	0	0	50	6	0	35	1	0	49	2,052	0	0	2	57	170	1	2	155	2,921
315	0	0	0	0	0	2	0	64	3	0	101	0	0	9	895	2	1	0	79	211	0	0	114	1,796
316	0	0	0	0	0	24	1	35	4	0	146	0	0	0	1,222	1	1	0	4	92	0	1	112	1,959

Table 2: Catch summary (lbs) of important species by haul from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

Station	Acadian Redfish	American Lobster	American Plaice	Atlantic Cod	Atlantic Herring	Atlantic Mackerel	Bluefish	Butterfish	Goosefish	Haddock	Longfin Squid	Northern Shortfin Squid	Pollock	Red Hake	Silver Hake	Spiny Dogfish	Summer Flounder	White Hake	Windowpane	Winter Flounder	Witch Flounder	Yellowtail Flounder	Other	Total
317	0	0	0	0	1	4	0	540	4	0	200	0	0	24	1,527	0	2	7	35	151	0	1	201	3,014
318	0	1	0	0	3	16	0	154	4	0	277	0	0	13	1,589	0	2	5	18	70	0	0	149	2,619
319	0	11	0	1	1,169	234	0	1,500	0	3	295	3	0	69	746	0	4	25	2	227	0	39	220	4,867
320	0	15	0	1	648	3,008	0	139	4	0	1,815	0	0	0	2,080	0	0	0	6	79	0	12	138	8,265
321	0	4	0	1	6	537	0	0	3	0	889	0	0	0	239	0	1	0	4	10	0	4	96	2,115
322	0	3	0	0	3	16	0	2	10	1	18	0	0	118	663	370	0	1	0	0	0	40	1,040	2,607
324	0	22	0	0	1	0	0	11	14	2	0	1	0	391	1,039	303	0	0	0	4	0	1	18,193	20,306
325	0	1	0	0	0	6	0	20	1	2	224	0	1	1	26	30	0	0	0	51	0	8	237	933
326	0	1	0	0	0	0	0	6	0	0	3,318	7	0	2	5	0	1	0	0	0	0	0	795	4,461
327	0	0	0	0	0	0	0	3	0	0	3,053	5	0	0	0	17	2	0	1	0	0	0	42	3,450
328	0	2	0	0	0	0	0	0	1	0	1,862	3	0	10	25	0	8	0	0	1	0	0	3,635	5,875
329	0	1	0	0	0	2	0	10	0	0	402	2	0	0	85	0	12	0	1	0	0	0	4,889	5,733

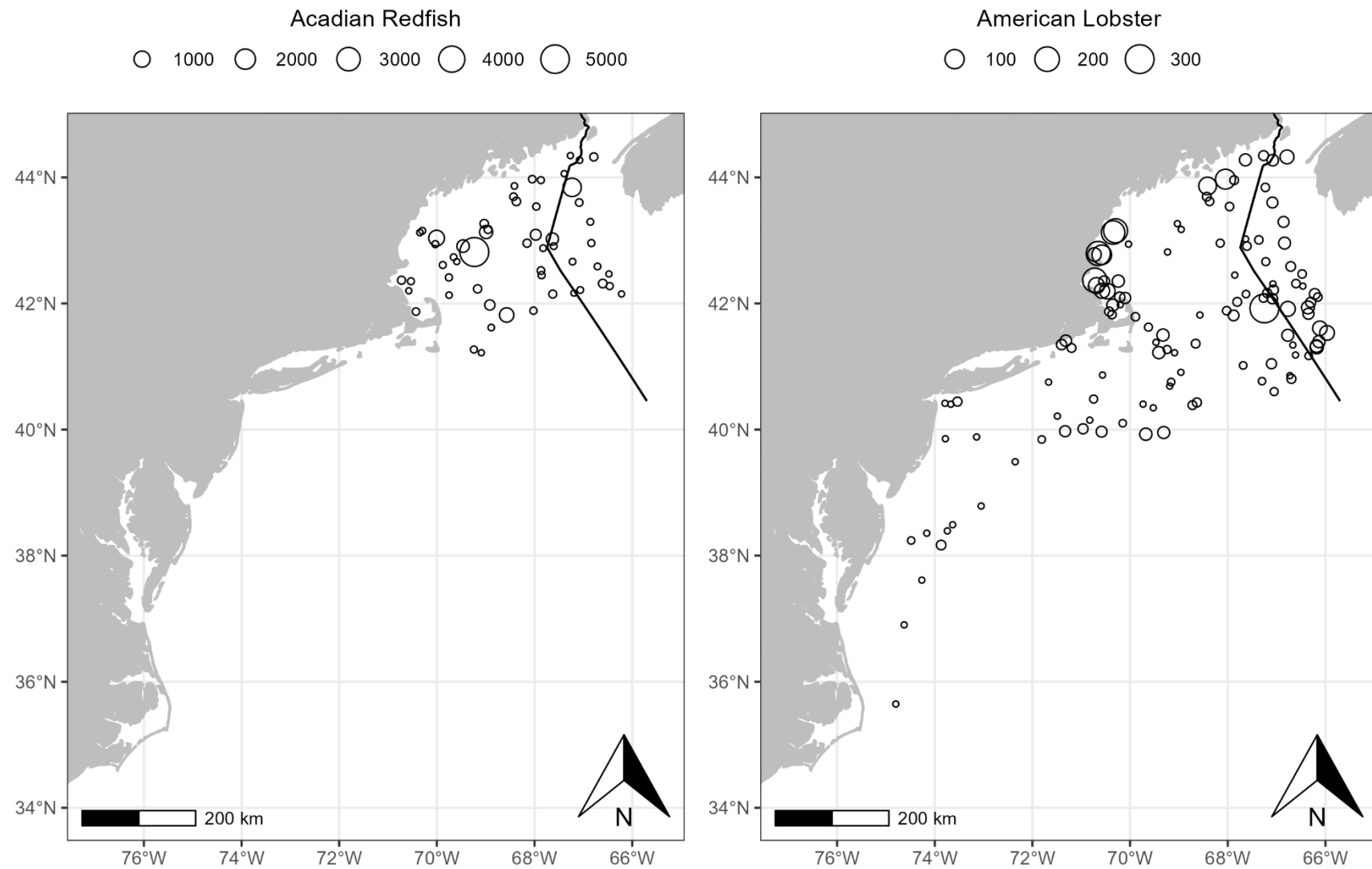


Figure 3: Total number of Acadian redfish (left) and American lobster (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

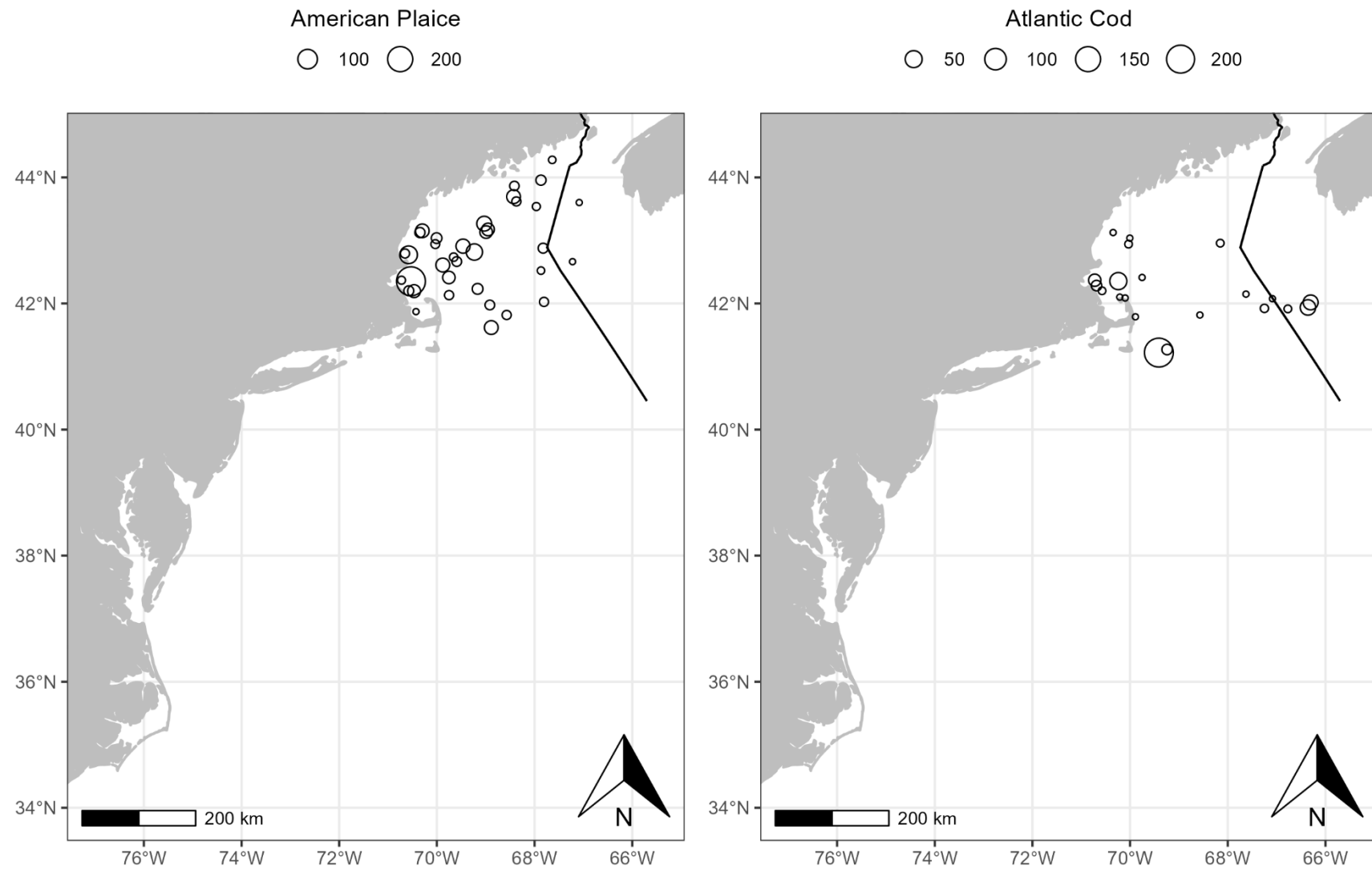


Figure 4: Total number of American plaice (left) and Atlantic cod (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

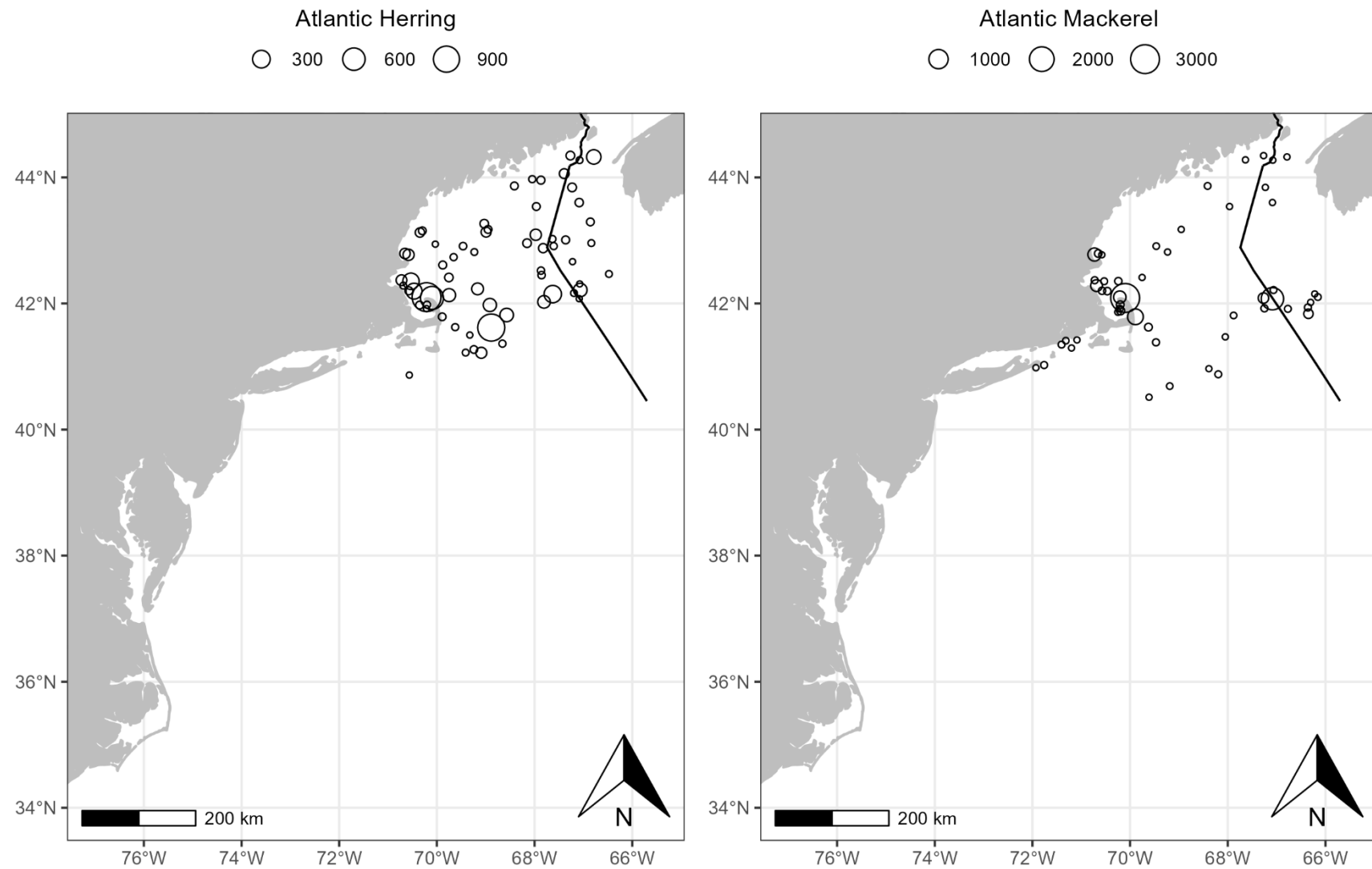


Figure 5: Total number of Atlantic herring (left) and Atlantic mackerel (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

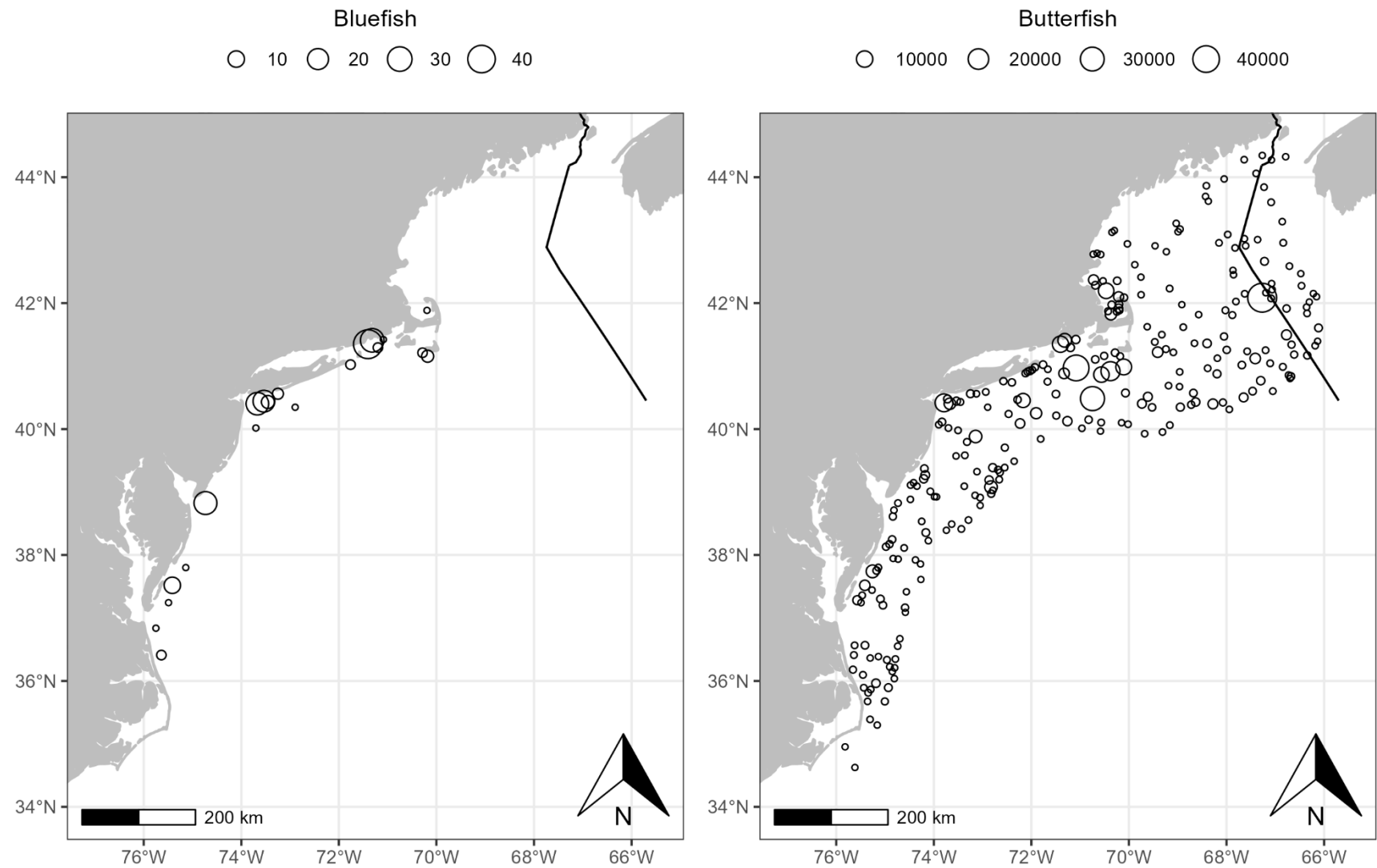


Figure 6: Total number of Bluefish (left) and Butterfish (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

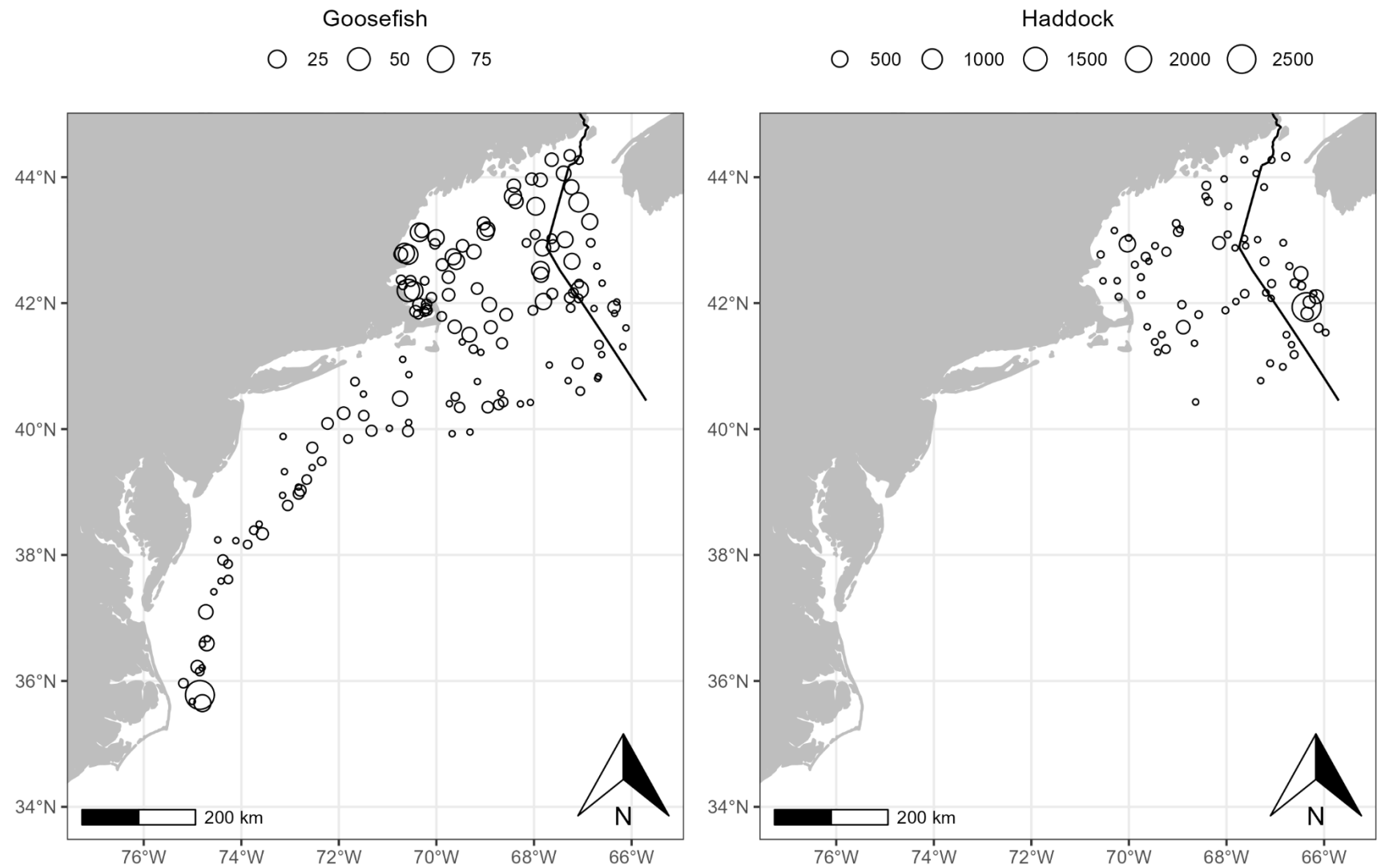


Figure 7: Total number of goosefish (left) and haddock (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

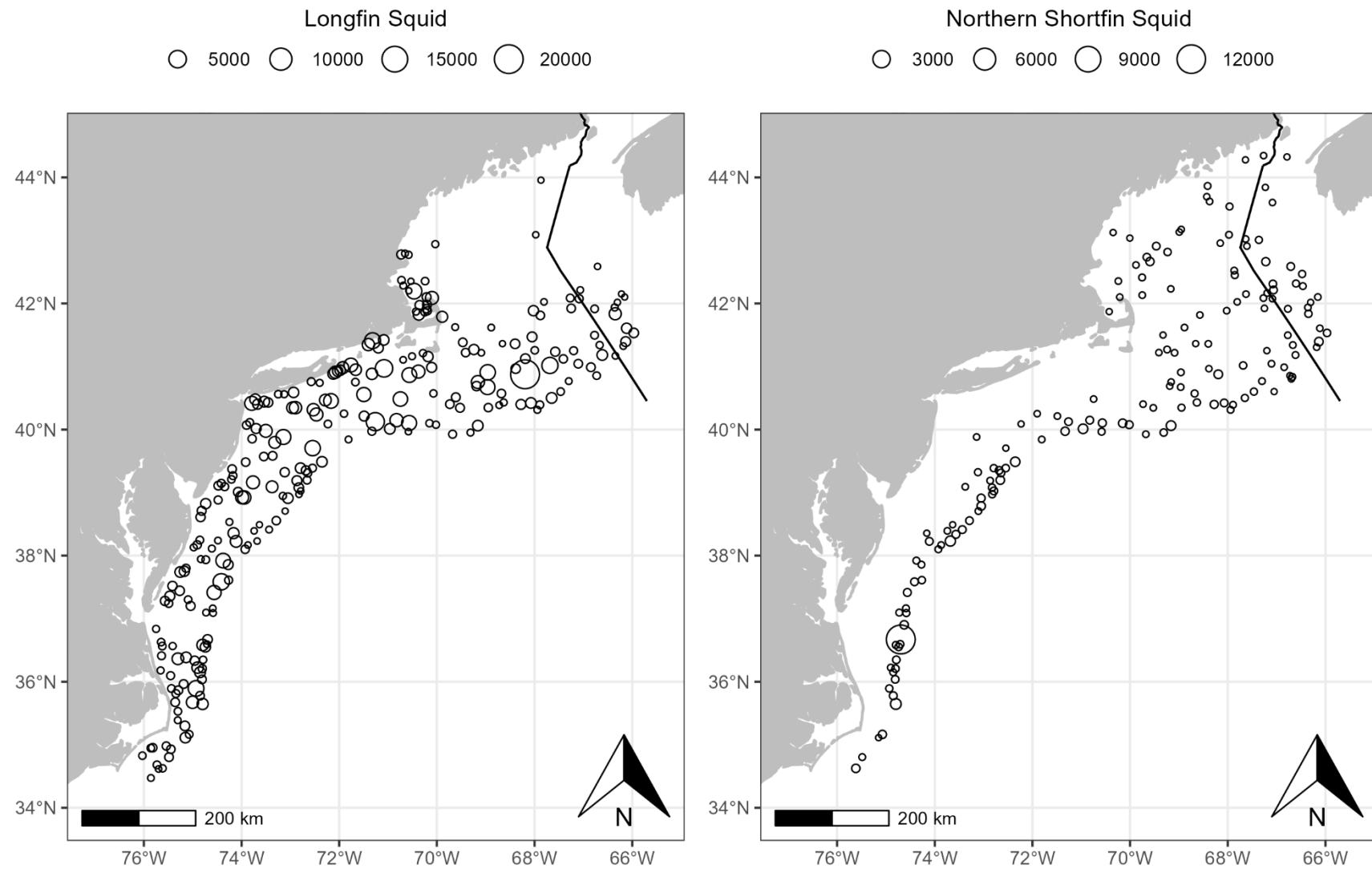


Figure 8: Total number of longfin squid (left) and shortfin squid (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

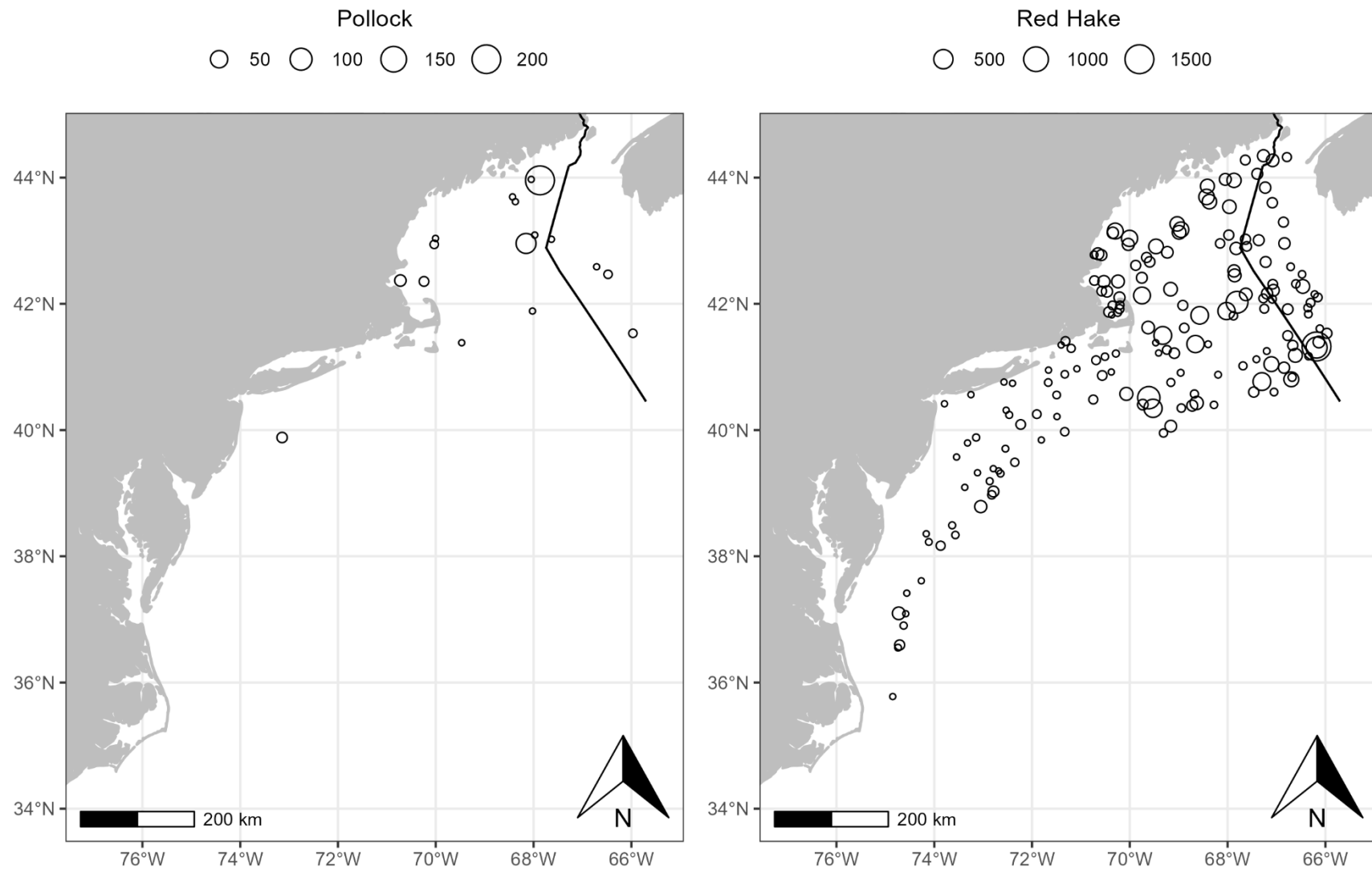


Figure 9: Total number of pollock (left) and red hake (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

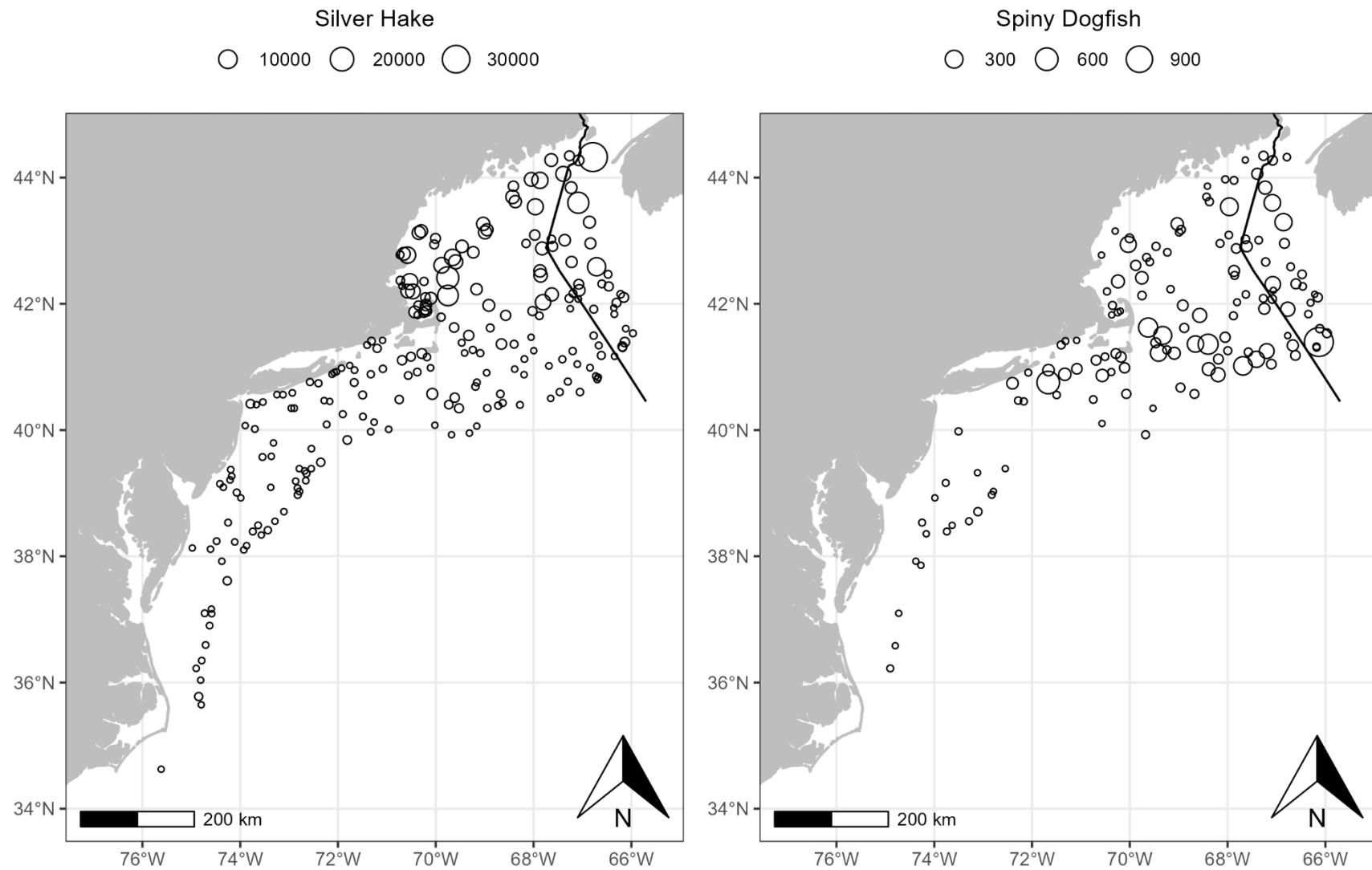


Figure 10: Total number of silver hake (left) and spiny dogfish (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

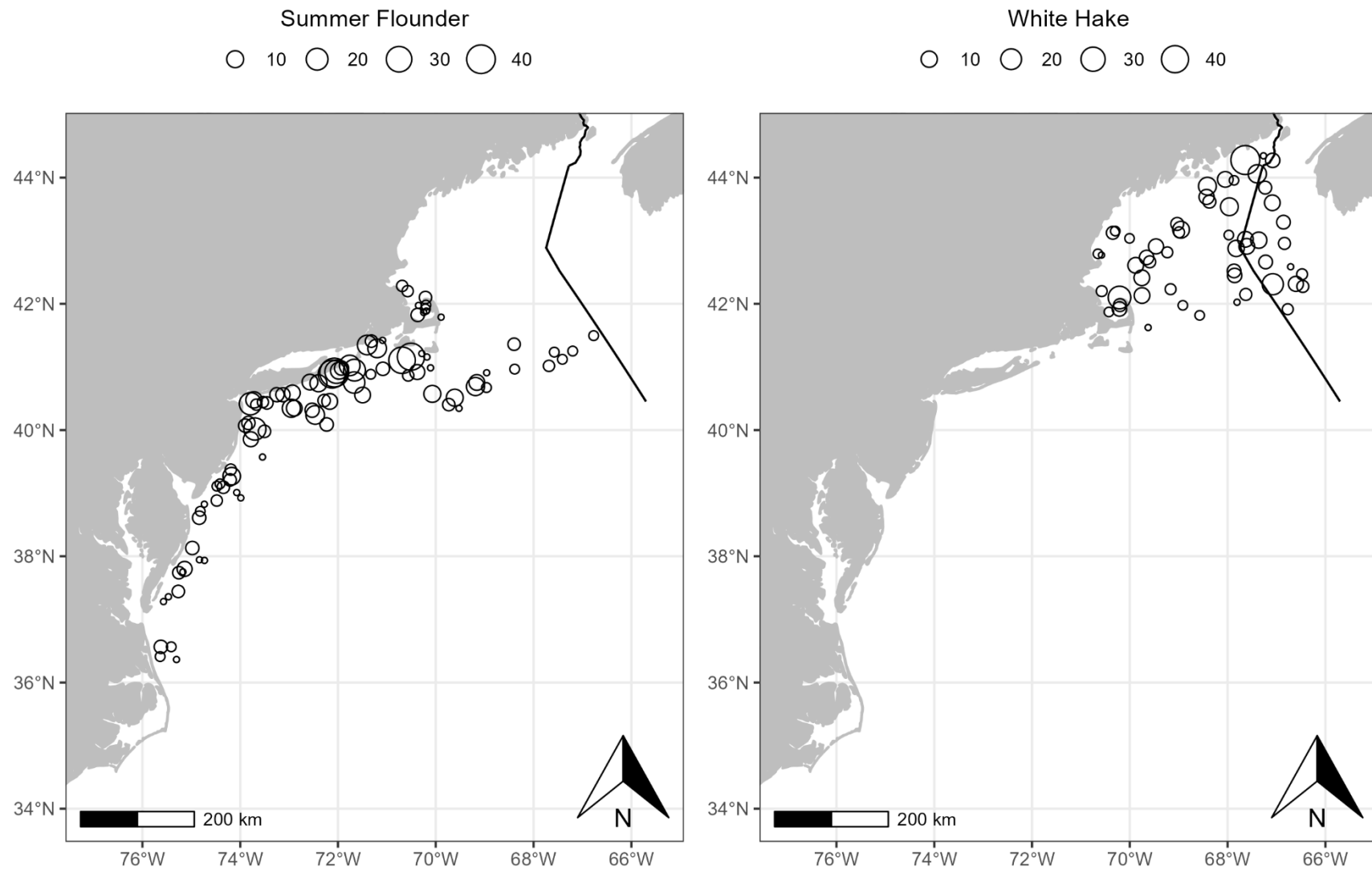


Figure 11: Total number of summer flounder (left) and white hake (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

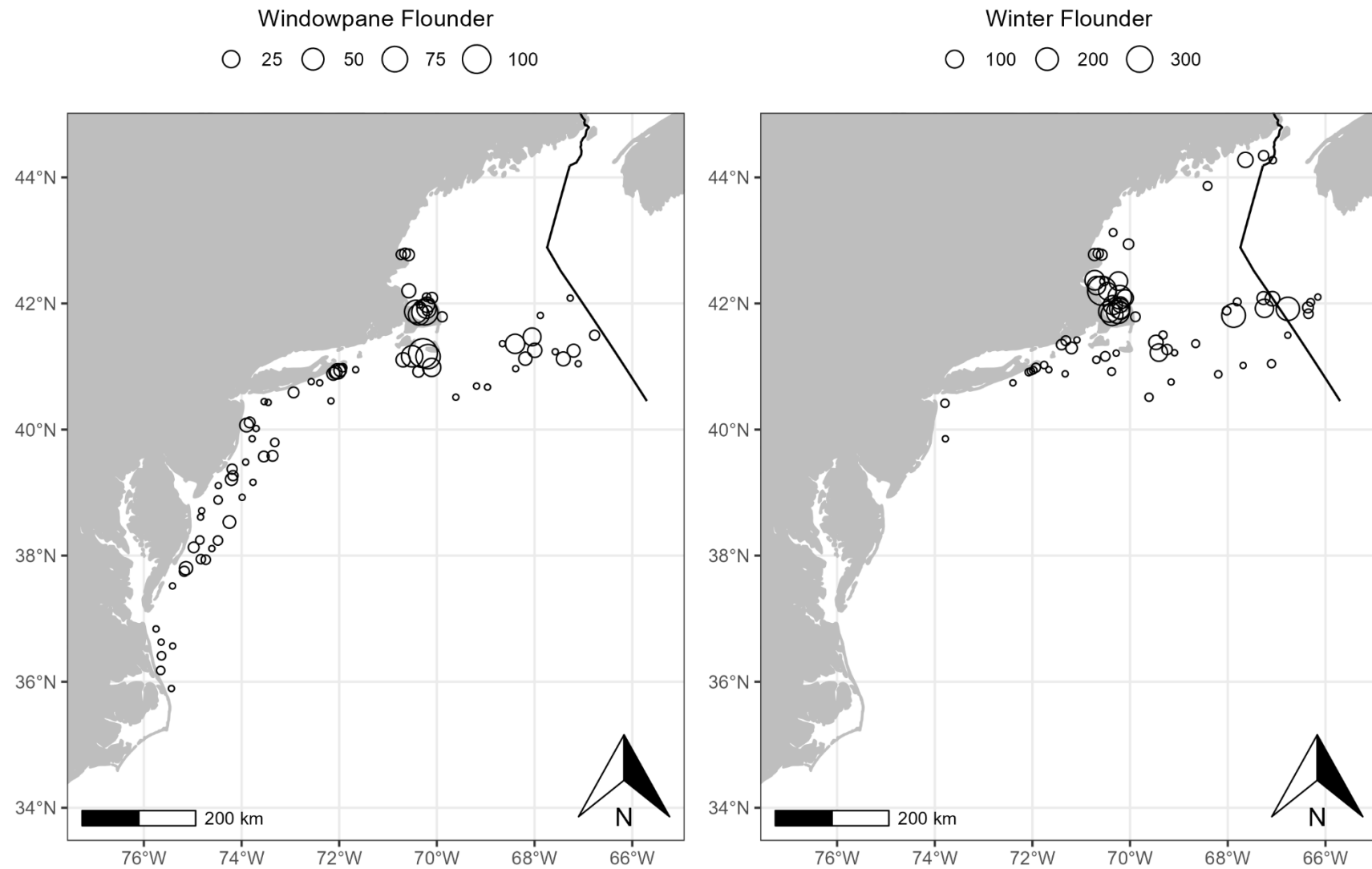


Figure 12: Total number of windowpane flounder (left) and winter flounder (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

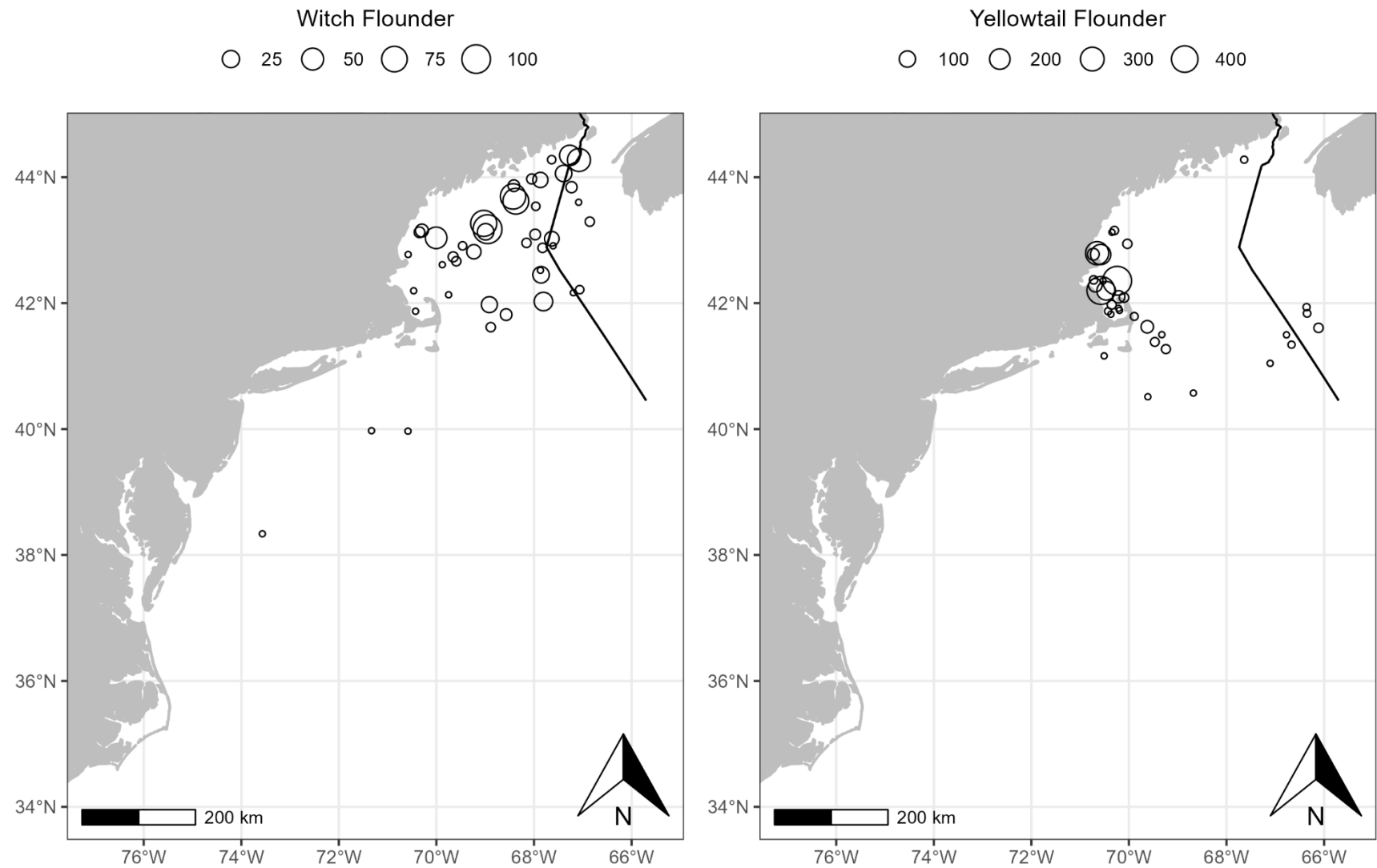


Figure 13: Total number of witch flounder (left) and yellowtail flounder (right) per tow from the Northeast Fisheries Science Center's Fall Bottom Trawl Survey, September 11, 2022 - November 15, 2022.

