



The Commonwealth of Massachusetts

Division of Marine Fisheries

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July 27, 2022

Fixed Gear Fishermen of Massachusetts,

Marine Fisheries will be conducting its annual fall trawl survey throughout state coastal waters beginning September 6, 2022. Surveys have been conducted each May and September since 1978 to provide a consistent sampling of benthic fishes and mobile invertebrates. Survey data is used to monitor the condition of various marine stocks. The data is also used to inform the environmental review process, which advises on ways to minimize construction impacts on fisheries resources. Maintaining access to the planned sampling sites is critical to the integrity of the survey.

Please review either the live map on our website or the attached tables and maps of station locations. The live map displays all remaining tow locations, the map can be found on our website (<https://www.mass.gov/service-details/review-trawl-survey-updates>). The live map has a feature which allows you to display your current location. Within [see the map in full screen](#) on the upper lefthand side of the map page select the “scope icon” button  just below the home button. With the location feature toggled on, your device will display your live location on the map in relation to tow circles and historical tows. This feature can be used to assure gear is not in conflict with planned tows. **We kindly ask for your cooperation and insist that all fixed gear be kept clear of the shaded station tow circles by the dates listed in the table.** The coordinates of each selected point are provided in the attached table. The live map and attached figures show the station with a 1.5 n. mi. diameter circle around the selected point. All station circles are trimmed to the appropriate stratum which represents actual station outline. A list of station location information can also be accessed on our website (<https://www.mass.gov/service-details/review-trawl-survey-updates>). We will make every attempt to complete stations as timely as possible to minimize inconvenience to fixed gear fishermen. Completed stations will be updated and announced daily to notify fishermen that gear can be returned to the area. *Marine Fisheries* is prepared to attach restrictions to permit renewals (under 322 CMR 7.01 (7)), mandating that fixed gear is not set on designated trawl survey sites between the announced date and notification of station completion. It remains our hope that this action will be unnecessary.

Each day the MLA will be notified of survey progress and all completed stations will be removed from the live map. The Massachusetts Lobstermen’s Association will also post survey information on their webpage (<http://www.lobstermen.com>), as well as on Facebook (username: lobstermensassoc) and Twitter (handle: @masslobstermens).

In the event of a delay due to weather, the schedule will be resumed as soon as working conditions permit. Fishermen can contact the R/V *Gloria Michelle* on VHF channels 13 or 16 to determine the updated daily schedule.

Personnel aboard the NOAA R/V *Gloria Michelle*, a 65' western rigged steel stern trawler with a blue hull and white deckhouse, will carefully check each site for marked gear by cruising along a selected tow path before the net is set. Twenty-minute tows undertaken at 2.5 knots cover approximately 0.8 nautical miles. We encourage communicating helpful information to the R/V officers (via channels 13 or 16).

Your cooperation is greatly appreciated and is vital to the effective monitoring of marine resources in the Commonwealth. If you have any questions about the survey, please contact me (steve.wilcox@mass.gov , (508) 742-9731). **If you have any questions about the *Marine Fisheries* website, or Facebook, please contact Story Reed (story.reed@mass.gov , 617- 626-1524).**

Sincerely,



Steven Wilcox
Senior Marine Fisheries Biologist

Cc. Dan McKiernan, Director

Massachusetts Division of Marine Fisheries
September 2022 Fall Trawl Survey Station Locations
Massachusetts Bay to New Hampshire

Area Description	Depth	Relocate gear before date	Lat DD MM.mmm	Long DD MM.mmm	Lat DD.dddd	Long DD.dddd	Sta. ID#
Cape Ann and North	0-30'	9/10/2022	42° 41.538'	-70° 44.202'	42.6923	-70.7367	31-1
	0-30'	9/10/2022	42° 43.403'	-70° 45.792'	42.7234	-70.7632	31-2
	31'-60'	9/10/2022	42° 43.560'	-70° 45.341'	42.7260	-70.7557	32-1
	31'-60'	9/10/2022	42° 45.295'	-70° 46.056'	42.7549	-70.7676	32-2
	61'-90'	9/10/2022	42° 45.622'	-70° 45.542'	42.7604	-70.7590	33-1
	61'-90'	9/10/2022	42° 41.767'	-70° 38.778'	42.6961	-70.6463	33-2
	61'-90'	9/10/2022	42° 43.170'	-70° 43.289'	42.7195	-70.7215	33-3
	91'-120'	9/10/2022	42° 42.976'	-70° 40.866'	42.7163	-70.6811	34-1
	91'-120'	9/10/2022	42° 41.939'	-70° 35.944'	42.6990	-70.5991	34-2
	91'-120'	9/10/2022	42° 51.882'	-70° 45.267'	42.8647	-70.7544	34-3
	121'-180'	9/10/2022	42° 43.598'	-70° 37.529'	42.7266	-70.6255	35-1
	121'-180'	9/10/2022	42° 42.177'	-70° 35.112'	42.7030	-70.5852	35-2
	121'-180'	9/10/2022	42° 35.143'	-70° 35.418'	42.5857	-70.5903	35-3
	181'+	9/10/2022	42° 43.652'	-70° 35.509'	42.7275	-70.5918	36-1
	181'+	9/10/2022	42° 42.578'	-70° 33.656'	42.7096	-70.5609	36-2
Massachusetts Bay	0-30'	9/9/2022	42° 26.917'	-70° 55.329'	42.4486	-70.9221	31-4
	0-30'	9/8/2022	42° 16.838'	-70° 51.367'	42.2806	-70.8561	31-5
	31'-60'	9/8/2022	42° 18.002'	-70° 50.034'	42.3000	-70.8339	32-4
	31'-60'	9/8/2022	42° 17.089'	-70° 48.326'	42.2848	-70.8054	32-5
	31'-60'	9/9/2022	42° 27.060'	-70° 54.219'	42.4510	-70.9036	32-6
	61'-90'	9/9/2022	42° 26.982'	-70° 52.625'	42.4497	-70.8771	33-5
	61'-90'	9/9/2022	42° 23.340'	-70° 54.178'	42.3890	-70.9030	33-6
	61'-90'	9/8/2022	42° 18.584'	-70° 47.822'	42.3097	-70.7970	33-7
	91'-120'	9/9/2022	42° 28.696'	-70° 46.593'	42.4783	-70.7766	34-5
	91'-120'	9/9/2022	42° 32.530'	-70° 43.861'	42.5422	-70.7310	34-6
	91'-120'	9/9/2022	42° 26.302'	-70° 51.846'	42.4384	-70.8641	34-7
	121'-180'	9/9/2022	42° 27.370'	-70° 48.615'	42.4562	-70.8103	35-5
	121'-180'	9/8/2022	42° 22.932'	-70° 42.014'	42.3822	-70.7002	35-6
	121'-180'	9/9/2022	42° 30.013'	-70° 42.603'	42.5002	-70.7100	35-7
	121'-180'	9/8/2022	42° 19.467'	-70° 42.253'	42.3245	-70.7042	35-8
181'+	9/9/2022	42° 29.367'	-70° 39.452'	42.4895	-70.6575	36-4	
181'+	9/9/2022	42° 25.428'	-70° 40.028'	42.4238	-70.6671	36-5	

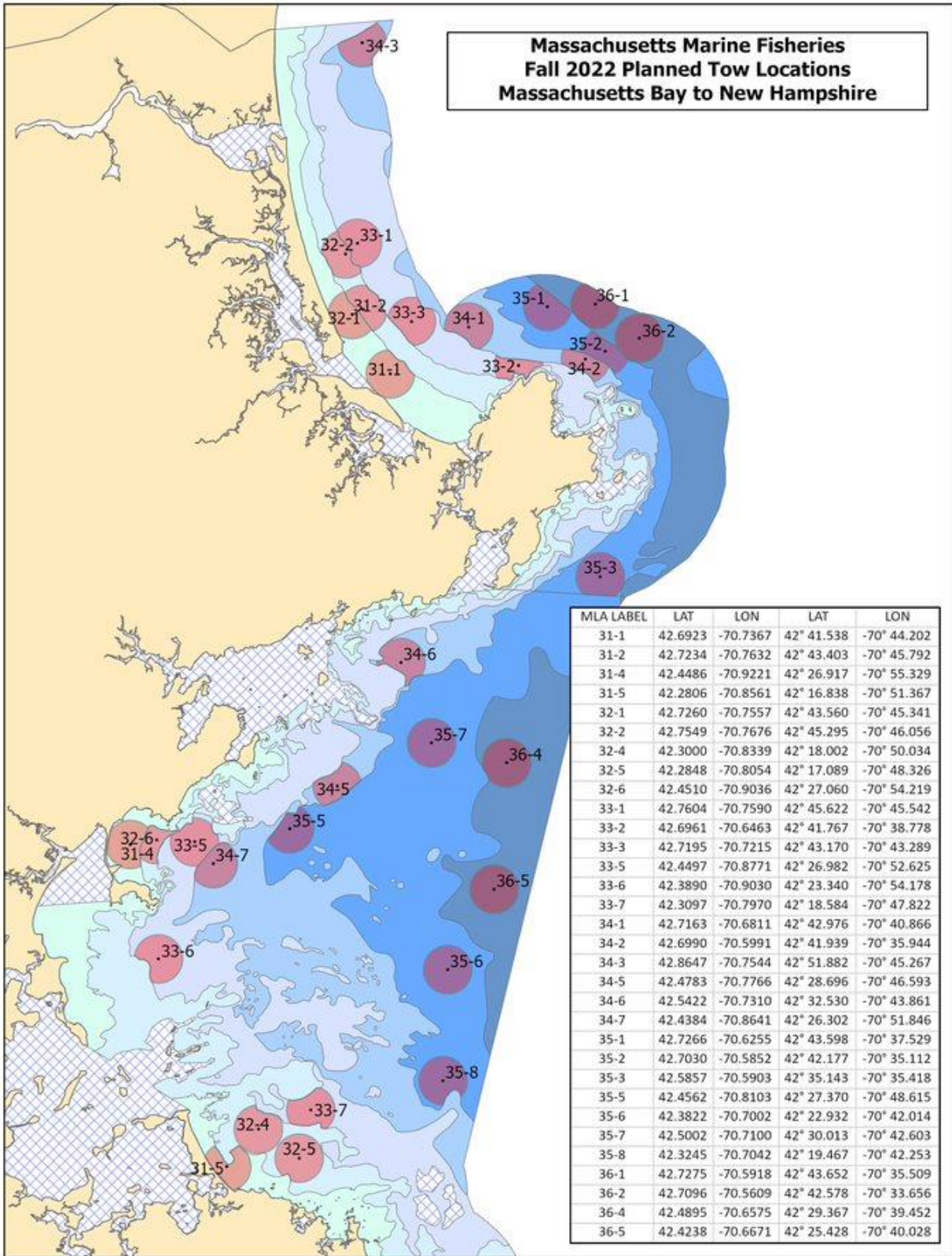
Massachusetts Division of Marine Fisheries
September 2022 Fall Trawl Survey Station Locations
Cape Cod Bay and East of Cape Cod.

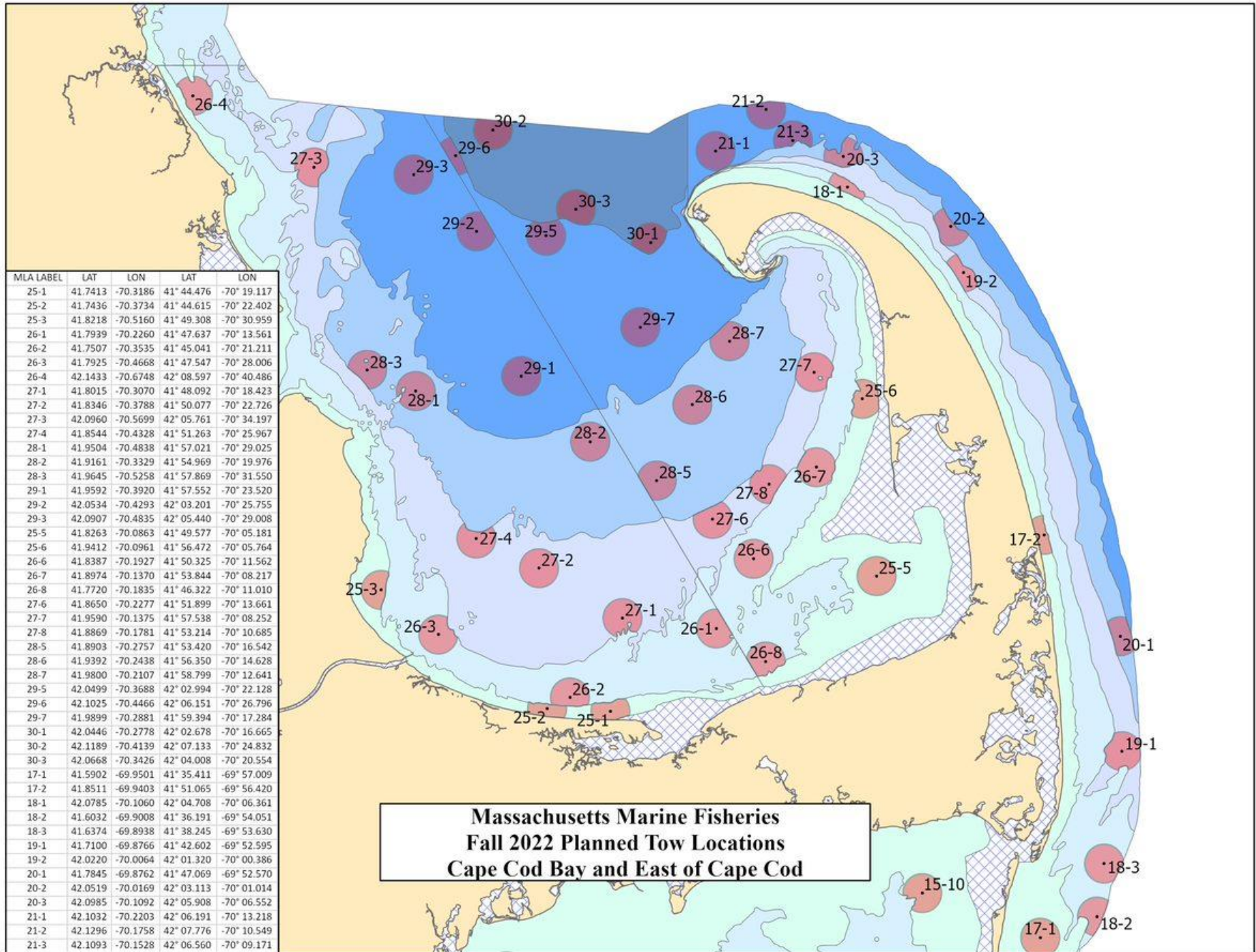
Area Description	Depth	Relocate gear	Lat	Long	Lat	Long	Sta. ID#
			DD MM.mmm	DD MM.mmm	DD.dddd	DD.dddd	
Western Cape Cod Bay	0-30'	9/6/2022	41° 44.476'	-70° 19.117'	41.7413	-70.3186	25-1
	0-30'	9/6/2022	41° 44.615'	-70° 22.402'	41.7436	-70.3734	25-2
	0-30'	9/6/2022	41° 49.308'	-70° 30.959'	41.8218	-70.5160	25-3
	31'-60'	9/6/2022	41° 47.637'	-70° 13.561'	41.7939	-70.2260	26-1
	31'-60'	9/6/2022	41° 45.041'	-70° 21.211'	41.7507	-70.3535	26-2
	31'-60'	9/6/2022	41° 47.547'	-70° 28.006'	41.7925	-70.4668	26-3
	31'-60'	9/8/2022	42° 08.597'	-70° 40.486'	42.1433	-70.6748	26-4
	61'-90'	9/6/2022	41° 48.092'	-70° 18.423'	41.8015	-70.3070	27-1
	61'-90'	9/6/2022	41° 50.077'	-70° 22.726'	41.8346	-70.3788	27-2
	61'-90'	9/8/2022	42° 05.761'	-70° 34.197'	42.0960	-70.5699	27-3
	61'-90'	9/6/2022	41° 51.263'	-70° 25.967'	41.8544	-70.4328	27-4
	91'-120'	9/6/2022	41° 57.021'	-70° 29.025'	41.9504	-70.4838	28-1
	91'-120'	9/6/2022	41° 54.969'	-70° 19.976'	41.9161	-70.3329	28-2
	91'-120'	9/6/2022	41° 57.869'	-70° 31.550'	41.9645	-70.5258	28-3
	121'-180'	9/6/2022	41° 57.552'	-70° 23.520'	41.9592	-70.3920	29-1
	121'-180'	9/12/2022	42° 03.201'	-70° 25.755'	42.0534	-70.4293	29-2
	121'-180'	9/12/2022	42° 05.440'	-70° 29.008'	42.0907	-70.4835	29-3
Eastern Cape Cod Bay	0-30'	9/6/2022	41° 49.577'	-70° 05.181'	41.8263	-70.0863	25-5
	0-30'	9/13/2022	41° 56.472'	-70° 05.764'	41.9412	-70.0961	25-6
	31'-60'	9/6/2022	41° 50.325'	-70° 11.562'	41.8387	-70.1927	26-6
	31'-60'	9/13/2022	41° 53.844'	-70° 08.217'	41.8974	-70.1370	26-7
	31'-60'	9/13/2022	41° 46.322'	-70° 11.010'	41.7720	-70.1835	26-8
	61'-90'	9/13/2022	41° 51.899'	-70° 13.661'	41.8650	-70.2277	27-6
	61'-90'	9/13/2022	41° 57.538'	-70° 08.252'	41.9590	-70.1375	27-7
	61'-90'	9/13/2022	41° 53.214'	-70° 10.685'	41.8869	-70.1781	27-8
	91'-120'	9/13/2022	41° 53.420'	-70° 16.542'	41.8903	-70.2757	28-5
	91'-120'	9/13/2022	41° 56.350'	-70° 14.628'	41.9392	-70.2438	28-6
	91'-120'	9/13/2022	41° 58.799'	-70° 12.641'	41.9800	-70.2107	28-7
	121'-180'	9/13/2022	42° 02.994'	-70° 22.128'	42.0499	-70.3688	29-5
	121'-180'	9/12/2022	42° 06.151'	-70° 26.796'	42.1025	-70.4466	29-6
	121'-180'	9/13/2022	41° 59.394'	-70° 17.284'	41.9899	-70.2881	29-7
	181'+	9/13/2022	42° 02.678'	-70° 16.665'	42.0446	-70.2778	30-1
181'+	9/12/2022	42° 07.133'	-70° 24.832'	42.1189	-70.4139	30-2	
181'+	9/13/2022	42° 04.008'	-70° 20.554'	42.0668	-70.3426	30-3	
East of Cape Cod	0-30'	9/16/2022	41° 35.411'	-69° 57.009'	41.5902	-69.9501	17-1
	0-30'	9/14/2022	41° 51.065'	-69° 56.420'	41.8511	-69.9403	17-2
	31'-60'	9/14/2022	42° 04.708'	-70° 06.361'	42.0785	-70.1060	18-1
	31'-60'	9/16/2022	41° 36.191'	-69° 54.051'	41.6032	-69.9008	18-2
	31'-60'	9/16/2022	41° 38.245'	-69° 53.630'	41.6374	-69.8938	18-3
	61'-90'	9/14/2022	41° 42.602'	-69° 52.595'	41.7100	-69.8766	19-1
	61'-90'	9/14/2022	42° 01.320'	-70° 00.386'	42.0220	-70.0064	19-2
	91'-120'	9/14/2022	41° 47.069'	-69° 52.570'	41.7845	-69.8762	20-1
	91'-120'	9/14/2022	42° 03.113'	-70° 01.014'	42.0519	-70.0169	20-2
	91'-120'	9/14/2022	42° 05.908'	-70° 06.552'	42.0985	-70.1092	20-3
	121'-180'	9/14/2022	42° 06.191'	-70° 13.218'	42.1032	-70.2203	21-1
	121'-180'	9/14/2022	42° 07.776'	-70° 10.549'	42.1296	-70.1758	21-2
	121'-180'	9/14/2022	42° 06.560'	-70° 09.171'	42.1093	-70.1528	21-3

Massachusetts Division of Marine Fisheries
September 2022 Fall Trawl Survey Station Locations
South of Cape Cod

Area Description	Depth	Relocate gear	Latitude DD MM.mmm	Longitude DD MM.mmm	Latitude DD.dddd	Longitude DD.dddd	Sta. ID#
Buzzards Bay							
and Vineyard Sound	0-30'	9/16/2022	41° 36.073'	-70° 48.707'	41.6012	-70.8118	11-1
	0-30'	9/16/2022	41° 34.462'	-70° 54.288'	41.5744	-70.9048	11-2
	0-30'	9/16/2022	41° 39.442'	-70° 42.866'	41.6574	-70.7144	11-3
	31'-60'	9/16/2022	41° 30.085'	-70° 45.688'	41.5014	-70.7615	12-1
	31'-60'	9/16/2022	41° 29.552'	-70° 52.569'	41.4925	-70.8761	12-2
	31'-60'	9/16/2022	41° 28.998'	-70° 59.994'	41.4833	-70.9999	12-3
	31'-60'	9/16/2022	41° 21.793'	-70° 46.818'	41.3632	-70.7803	12-4
	31'-60'	9/16/2022	41° 33.426'	-70° 43.032'	41.5571	-70.7172	12-5
	61'-90'	9/16/2022	41° 22.604'	-70° 53.094'	41.3767	-70.8849	13-1
	61'-90'	9/16/2022	41° 29.445'	-70° 54.521'	41.4907	-70.9087	13-2
	61'-90'	9/16/2022	41° 24.017'	-70° 54.586'	41.4003	-70.9098	13-3
	91'-120'	9/16/2022	41° 22.433'	-70° 55.420'	41.3739	-70.9237	14-1
	Southwest of Gay Head and South of Martha's Vineyard						
0-30'	9/16/2022	41° 18.473'	-70° 29.085'	41.3079	-70.4848	11-5	
0-30'	9/16/2022	41° 20.443'	-70° 41.663'	41.3407	-70.6944	11-6	
31'-60'	9/16/2022	41° 22.591'	-70° 24.354'	41.3765	-70.4059	12-7	
31'-60'	9/16/2022	41° 18.500'	-70° 48.928'	41.3083	-70.8155	12-8	
61'-90'	9/16/2022	41° 18.931'	-70° 51.016'	41.3155	-70.8503	13-5	
61'-90'	9/16/2022	41° 17.962'	-70° 39.514'	41.2994	-70.6586	13-6	
91'-120'	9/16/2022	41° 19.418'	-70° 53.943'	41.3236	-70.8990	14-3	
Nantucket Sound							
0-30'	9/16/2022	41° 31.887'	-70° 21.242'	41.5315	-70.3540	15-1	
0-30'	9/16/2022	41° 32.119'	-70° 35.801'	41.5353	-70.5967	15-2	
0-30'	9/16/2022	41° 26.666'	-70° 29.281'	41.4444	-70.4880	15-3	
0-30'	9/16/2022	41° 34.416'	-70° 24.682'	41.5736	-70.4114	15-4	
0-30'	9/16/2022	41° 25.083'	-70° 28.375'	41.4180	-70.4729	15-5	
0-30'	9/16/2022	41° 18.979'	-70° 07.304'	41.3163	-70.1217	15-6	
0-30'	9/16/2022	41° 25.032'	-70° 25.395'	41.4172	-70.4233	15-7	
0-30'	9/16/2022	41° 32.561'	-70° 11.914'	41.5427	-70.1986	15-8	
0-30'	9/16/2022	41° 21.015'	-70° 14.971'	41.3502	-70.2495	15-9	
0-30'	9/16/2022	41° 37.225'	-70° 03.084'	41.6204	-70.0514	15-10	
31'-60'	9/16/2022	41° 23.833'	-70° 17.365'	41.3972	-70.2894	16-1	
31'-60'	9/16/2022	41° 29.397'	-70° 13.327'	41.4899	-70.2221	16-2	
31'-60'	9/16/2022	41° 21.738'	-70° 05.270'	41.3623	-70.0878	16-3	
31'-60'	9/16/2022	41° 30.884'	-70° 14.406'	41.5147	-70.2401	16-4	
31'-60'	9/16/2022	41° 31.797'	-70° 16.221'	41.5299	-70.2703	16-5	
31'-60'	9/16/2022	41° 30.144'	-70° 17.985'	41.5024	-70.2997	16-6	
31'-60'	9/16/2022	41° 27.081'	-70° 23.234'	41.4513	-70.3872	16-7	
31'-60'	9/16/2022	41° 21.753'	-70° 07.394'	41.3625	-70.1232	16-8	
31'-60'	9/16/2022	41° 20.528'	-70° 08.248'	41.3421	-70.1375	16-9	
31'-60'	9/16/2022	41° 32.893'	-70° 14.780'	41.5482	-70.2463	16-10	
31'-60'	9/16/2022	41° 20.382'	-70° 04.443'	41.3397	-70.0740	16-11	
South and East of Nantucket							
0-30'	9/16/2022	41° 27.937'	-70° 00.221'	41.4656	-70.0037	17-4	
0-30'	9/16/2022	41° 22.598'	-69° 59.109'	41.3766	-69.9851	17-5	
0-30'	9/16/2022	41° 17.630'	-70° 17.132'	41.2938	-70.2855	17-6	
31'-60'	9/16/2022	41° 15.448'	-70° 13.521'	41.2575	-70.2253	18-5	
31'-60'	9/16/2022	41° 15.809'	-70° 15.923'	41.2635	-70.2654	18-6	
31'-60'	9/16/2022	41° 12.832'	-70° 02.820'	41.2139	-70.0470	18-7	
61'-90'	9/16/2022	41° 12.512'	-70° 09.123'	41.2085	-70.1521	19-4	

**Massachusetts Marine Fisheries
Fall 2022 Planned Tow Locations
Massachusetts Bay to New Hampshire**

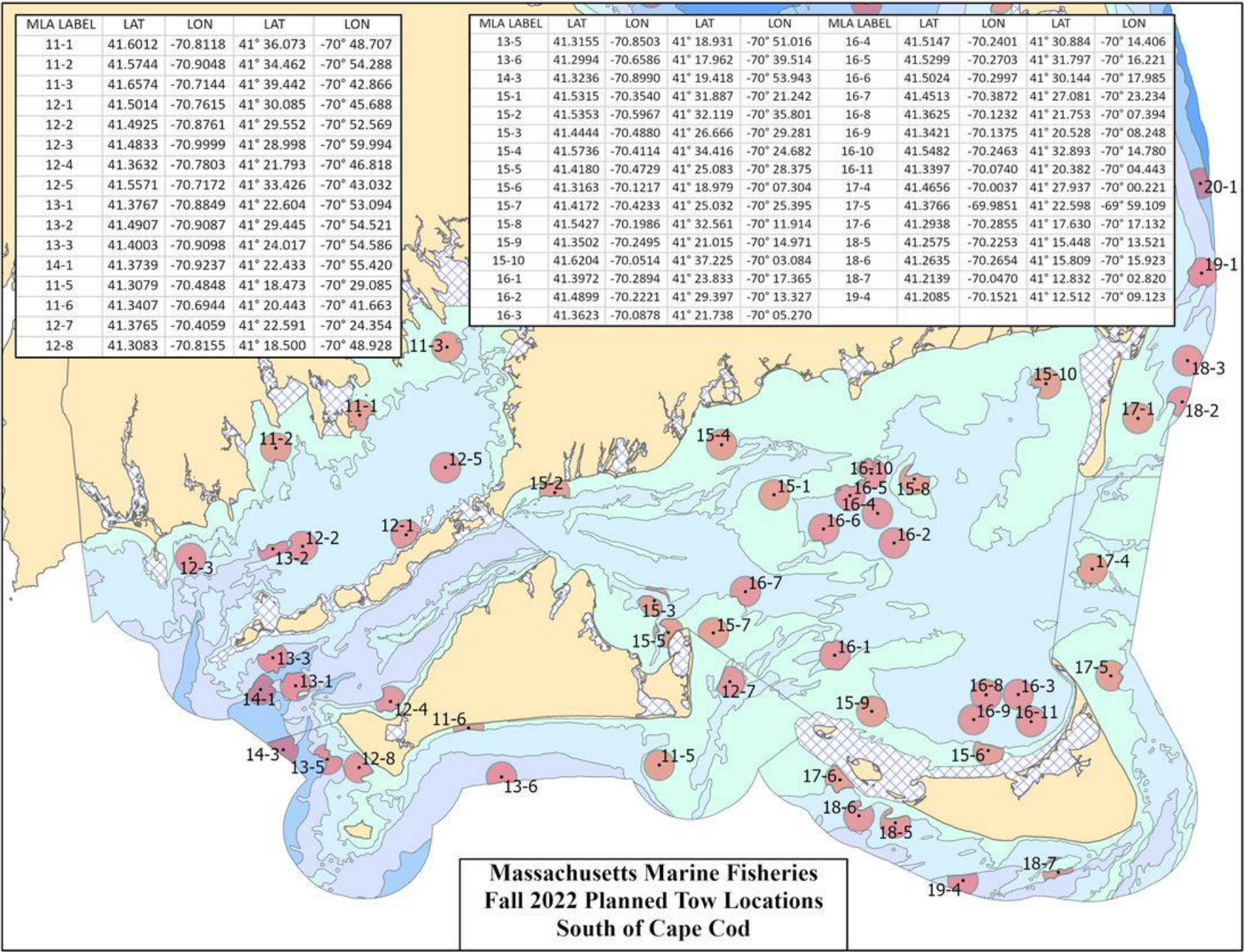




**Massachusetts Marine Fisheries
Fall 2022 Planned Tow Locations
Cape Cod Bay and East of Cape Cod**

MLA LABEL	LAT	LON	LAT	LON
11-1	41.6012	-70.8118	41° 36.073	-70° 48.707
11-2	41.5744	-70.9048	41° 34.462	-70° 54.288
11-3	41.6574	-70.7144	41° 39.442	-70° 42.866
12-1	41.5014	-70.7615	41° 30.085	-70° 45.688
12-2	41.4925	-70.8761	41° 29.552	-70° 52.569
12-3	41.4833	-70.9999	41° 28.998	-70° 59.994
12-4	41.3632	-70.7803	41° 21.793	-70° 46.818
12-5	41.5571	-70.7172	41° 33.426	-70° 43.032
13-1	41.3767	-70.8849	41° 22.604	-70° 53.094
13-2	41.4907	-70.9087	41° 29.445	-70° 54.521
13-3	41.4003	-70.9098	41° 24.017	-70° 54.586
14-1	41.3739	-70.9237	41° 22.433	-70° 55.420
11-5	41.3079	-70.4848	41° 18.473	-70° 29.085
11-6	41.3407	-70.6944	41° 20.443	-70° 41.663
12-7	41.3765	-70.4059	41° 22.591	-70° 24.354
12-8	41.3083	-70.8155	41° 18.500	-70° 48.928

MLA LABEL	LAT	LON	LAT	LON	MLA LABEL	LAT	LON	LAT	LON
13-5	41.3155	-70.8503	41° 18.931	-70° 51.016	16-4	41.5147	-70.2401	41° 30.884	-70° 14.406
13-6	41.2994	-70.6586	41° 17.962	-70° 39.514	16-5	41.5299	-70.2703	41° 31.797	-70° 16.221
14-3	41.3236	-70.8990	41° 19.418	-70° 53.943	16-6	41.5024	-70.2997	41° 30.144	-70° 17.985
15-1	41.5315	-70.3540	41° 31.887	-70° 21.242	16-7	41.4513	-70.3872	41° 27.081	-70° 23.234
15-2	41.5353	-70.5967	41° 32.119	-70° 35.801	16-8	41.3625	-70.1232	41° 21.753	-70° 07.394
15-3	41.4444	-70.4880	41° 26.666	-70° 29.281	16-9	41.3421	-70.1375	41° 20.528	-70° 08.248
15-4	41.5736	-70.4114	41° 34.416	-70° 24.682	16-10	41.5482	-70.2463	41° 32.893	-70° 14.780
15-5	41.4180	-70.4729	41° 25.083	-70° 28.375	16-11	41.3397	-70.0740	41° 20.382	-70° 04.443
15-6	41.3163	-70.1217	41° 18.979	-70° 07.304	17-4	41.4656	-70.0037	41° 27.937	-70° 00.221
15-7	41.4172	-70.4233	41° 25.032	-70° 25.395	17-5	41.3766	-69.9851	41° 22.598	-69° 59.109
15-8	41.5427	-70.1986	41° 32.561	-70° 11.914	17-6	41.2938	-70.2855	41° 17.630	-70° 17.132
15-9	41.3502	-70.2495	41° 21.015	-70° 14.971	18-5	41.2575	-70.2253	41° 15.448	-70° 13.521
15-10	41.6204	-70.0514	41° 37.225	-70° 03.084	18-6	41.2635	-70.2654	41° 15.809	-70° 15.923
16-1	41.3972	-70.2894	41° 23.833	-70° 17.365	18-7	41.2139	-70.0470	41° 12.832	-70° 02.820
16-2	41.4899	-70.2221	41° 29.397	-70° 13.327	19-4	41.2085	-70.1521	41° 12.512	-70° 09.123
16-3	41.3623	-70.0878	41° 21.738	-70° 05.270					



**Massachusetts Marine Fisheries
Fall 2022 Planned Tow Locations
South of Cape Cod**