Commonwealth of Massachusetts
Division of Marine Fisheries
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July 7, 2015

Fixed Gear Fishermen of Massachusetts,

MarineFisheries will be conducting its annual fall trawl survey throughout state coastal waters beginning September 8, 2015. 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 fish stocks, as well as to inform the environmental review process that minimizes construction impacts on fisheries resources. Maintaining access to the planned sampling sites is critical to the integrity of the survey.

Please review the attached table of station locations and the accompanying figures which plot the sample sites. Station location information can also be accessed on our website (http://www.mass.gov/eea/agencies/dfg/dmf/programs-and-projects/resource-assessment-surveys-project.html). **We kindly ask for your cooperation and insist that all fixed gear be kept clear of station locations (1.5 n. mi. diameter circle as shown in figure - center point reported in table) for the indicated periods until station completion.** While we will make every attempt to complete stations during the assigned period to minimize inconvenience to fixed gear fishermen, *MarineFisheries* is prepared to attach restrictions to permit renewals (under 322 CMR 7.01 (7)), mandating that fixed gear not be set on designated trawl survey sites for the announced dates. It remains our hope that this action will be unnecessary.

A list of completed survey stations will be updated daily and posted on the *MarineFisheries* website (http://www.mass.gov/dmf/trawlsurvey) and on Twitter (handle: @MassDMF). 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 (robert.glenn@state.ma.us, (508) 990-2860 x 113). If you have any questions about the *MarineFisheries* website, Facebook, or Twitter, please contact Elaine Brewer (elaine.brewer@state.ma.us, (978) 282-0308 x 124).

Sincerely,

Bob Glenn
Chief Marine Fisheries Biologist

Cc. David Pierce, Acting Director

Massachusetts Division of Marine Fisheries
September 2015 Fall Trawl Survey Station Locations
Massachusetts Bay to New Hampshire

* Loran coordinates taken from NOAA paper charts.
Please refer to Lat/Long for best accuracy.

Area Description	Depth	Range of Dates	Latitude	Longitude	Loran	Sta. ID#
Cape Ann and North	0-30'	September 12-15	42°42.53	-70°45.55	13832.0 / 44382.1	N-1
	0-30'	September 12-15	42°41.11	-70°42.59	13820.3 / 44368.9	N-2
	31'-60'	September 12-15	42°46.66	-70°47.10	13820.0 / 44406.6	N-3
	31'-60'	September 12-15	42°41.93	-70°43.14	13819.7 / 44374.1	N-4
	61'-90'	September 12-15	42°44.83	-70°44.24	13811.1 / 44391.6	N-5
	61'-90'	September 12-15	42°46.55	-70°44.50	13803.6 / 44400.9	N-6
	61'-90'	September 12-15	42°43.14	-70°42.59	13809.5 / 44379.6	N-7
	91'-120'	September 12-15	42°39.64	-70°33.74	13771.4 / 44344.2	N-8
	91'-120'	September 12-15	42°42.90	-70°39.94	13793.7 / 44373.0	N-9
	91'-120'	September 12-15	42°42.03	-70°38.08	13786.2 / 44365.0	N-10
	121'-180'	September 12-15	42°41.09	-70°31.02	13746.2 / 44346.9	N-11
	121'-180'	September 12-15	42°35.72	-70°34.74	13798.8 / 44325.2	N-12
	121'-180'	September 12-15	42°36.74	-70°33.35	13784.5 / 44328.1	N-13
	181'+	September 12-15	42°37.25	-70°32.29	13775 .0/ 44328.9	N-14
	181'+	September 12-15	42°39.45	-70°31.88	13760.6 / 44339.8	N-15
Massachusetts Bay	0-30'	September 10-13	42°16.90	-70°51.51	14001.1 / 44250.7	N-16
	0-30'	September 11-13	42°27.24	-70°54.78	13971.0 / 44315.9	N-17
	31'-60'	September 11-13	42°26.88	-70°54.34	13969.9 / 44313.0	N-18
	31'-60'	September 10-13	42°17.24	-70°51.20	13997.5 / 44252.1	N-19
	31'-60'	September 10-13	42°18.18	-70°49.32	13981.0 / 44254.1	N-20
	61'-90'	September 10-13	42°18.85	-70°47.62	13966.9 / 44255.0	N-21
	61'-90'	September 11-13	42°23.62	-70°54.00	13984.1 / 44294.0	N-22
	61'-90'	September 11-13	42°26.75	-70°52.96	13961.8 / 44309.6	N-23
	91'-120'	September 10-13	42°18.99	-70°43.58	13940.1 / 44243.4	N-24
	91'-120'	September 11-13	42°23.77	-70°49.29	13953.0 / 44286.0	N-25
	91'-120'	September 11-13	42°26.73	-70°50.68	13947.1 / 44305.2	N-26
	121'-180'	September 11-16	42°29.11	-70°42.40	13882.0 / 44303.0	N-27
	121'-180'	September 10-13	42°20.19	-70°42.64	13928.5 / 44253.6	N-28
	121'-180'	September 11-15	42°34.40	-70°38.27	13828.2 / 44324.8	N-29
	121'-180'	September 11-16	42°27.62	-70°43.00	13893.3 / 44295.9	N-30
	181'+	September 11-16	42°29.26	-70°37.48	13849.8 / 44294.7	N-31
	181'+	September 11-16	42°25.04	-70°39.35	13883.3 / 44275.0	N-32

Massachusetts Division of Marine Fisheries
September 2015 Fall Trawl Survey Station Locations
Cape Cod Bay and East of Cape Cod.

* Loran coordinates taken from NOAA paper charts.
Please refer to Lat/Long for best accuracy.

Area Description	Depth	Range of Dates	Latitude	Longitude	Loran	Sta. ID#
Western Cape Cod Bay	0-30'	September 8-11	41°49.81	-70°31.09	13999.1 / 44053.3	C-1
	0-30'	September 10-12	42°08.36	-70°41.08	13975.3 / 44182.0	C-2
	0-30'	September 8-11, 15-17	41°45.81	-70°27.55	13995.4 / 44023.3	C-3
	31'-60'	September 8-11	41°45.21	-70°19.42	13949.8 / 44007.4	C-4
	31'-60'	September 8-11	41°45.34	-70°22.29	13966.2 / 44012.4	C-5
	31'-60'	September 8-11	41°51.19	-70°30.22	13987.6 / 44060.4	C-6
	31'-60'	September 8-11	41°46.82	-70°15.10	13916.9 / 44010.6	C-7
	61'-90'	September 8-11	41°49.73	-70°23.36	13952.9 / 44040.8	C-8
	61'-90'	September 8-11	41°55.04	-70°29.82	13967.8 / 44083.4	C-9
	61'-90'	September 8-11	41°47.47	-70°23.42	13963.3 / 44027.1	C-10
	61'-90'	September 8-11	41°48.11	-70°21.44	13948.6 / 44028.1	C-11
	91'-120'	September 8-11, 15-17	41°55.36	-70°21.20	13914.1 / 44071.6	C-12
	91'-120'	September 8-11, 15-17	41°52.69	-70°18.13	13908.0 / 44050.6	C-13
	91'-120'	September 8-11	41°53.32	-70°24.18	13941.5 / 44064.0	C-14
	121'-180'	September 8-12	41°57.21	-70°24.49	13925.5 / 44087.9	C-15
	121'-180'	September 8-12	41°58.54	-70°26.61	13932.1 / 44099.2	C-16
	121'-180'	September 8-12	41°59.81	-70°27.47	13931.6 / 44108.3	C-17
Eastern Cape Cod Bay	0-30'	September 8-11	41°49.04	-70°03.54	13839.0 / 44006.9	C-18
	0-30'	September 15-17	41°58.57	-70°05.38	13805.1 / 44065.9	C-19
	31'-60'	September 15-17	41°57.46	-70°06.69	13818.0 / 44061.6	C-20
	31'-60'	September 8-11, 15-17	41°51.90	-70°09.07	13858.2 / 44032.2	C-21
	31'-60'	September 15-17	41°54.54	-70°07.69	13837.8 / 44045.9	C-22
	61'-90'	September 8-11, 15-17	41°50.69	-70°14.28	13894.5 / 44032.9	C-23
	61'-90'	September 8-11, 15-17	41°51.48	-70°12.75	13881.8 / 44035.3	C-24
	61'-90'	September 15-17	41°58.90	-70°08.96	13824.6 / 44073.4	C-25
	91'-120'	September 15-17	41°54.12	-70°13.53	13874.3 / 44052.2	C-26
	91'-120'	September 15-17	41°54.55	-70°11.58	13860.8 / 44051.8	C-27
	91'-120'	September 15-17	42°00.85	-70°10.20	13822.7 / 44086.8	C-28
	121'-180'	September 14-17	41°58.67	-70°17.80	13878.5 / 44085.7	C-29
	121'-180'	September 14-16	42°04.31	-70°25.65	13899.4 / 44131.9	C-30
	121'-180'	September 14-17	42°00.90	-70°17.21	13864.2 / 44098.0	C-31
	181'+	September 14-16	42°05.43	-70°24.13	13884.6 / 44135.8	C-32
	181'+	September 14-18	42°06.73	-70°17.87	13840.2 / 44133.1	C-33
	181'+	September 14-18	42°06.46	-70°15.41	13826.8 / 44127.5	C-34
East of Cape Cod	0-30'	September 16-20	41°54.35	-69°57.81	13780.6 / 44030.0	B-1
	0-30'	September 17-20	41°35.72	-69°56.98	13861.4 / 43916.9	B-2
	31'-60'	September 17-20	41°42.19	-69°53.99	13815.2 / 43951.9	B-3
	31'-60'	September 17-20	41°39.85	-69°52.90	13819.6 / 43936.2	B-4
	31'-60'	September 17-20	41°40.80	-69°54.39	13823.7 / 43944.1	B-5
	61'-90'	September 17-20	41°41.56	-69°51.82	13805.7 / 43945.1	B-6
	61'-90'	September 16-20	41°53.03	-69°55.58	13774.0 / 44019.0	B-7
	91'-120'	September 16-19	42°03.47	-70°01.82	13760.5 / 44089.0	B-8
	91'-120'	September 16-19	42°05.87	-70°06.76	13778.0 / 44110.4	B-9
	91'-120'	September 16-20	41°48.14	-69°53.22	13783.6 / 43986.6	B-10
	121'-180'	September 16-19	42°05.35	-70°13.75	13822.2 / 44118.6	B-11
	121'-180'	September 16-19	42°05.26	-70°02.65	13756.7 / 44100.4	B-12
	121'-180'	September 16-19	42°06.55	-70°09.83	13792.8 / 44119.2	B-13

Massachusetts Division of Marine Fisheries
September 2015 Fall Trawl Survey Station Locations
South of Cape Cod

* Loran coordinates taken from NOAA paper charts.
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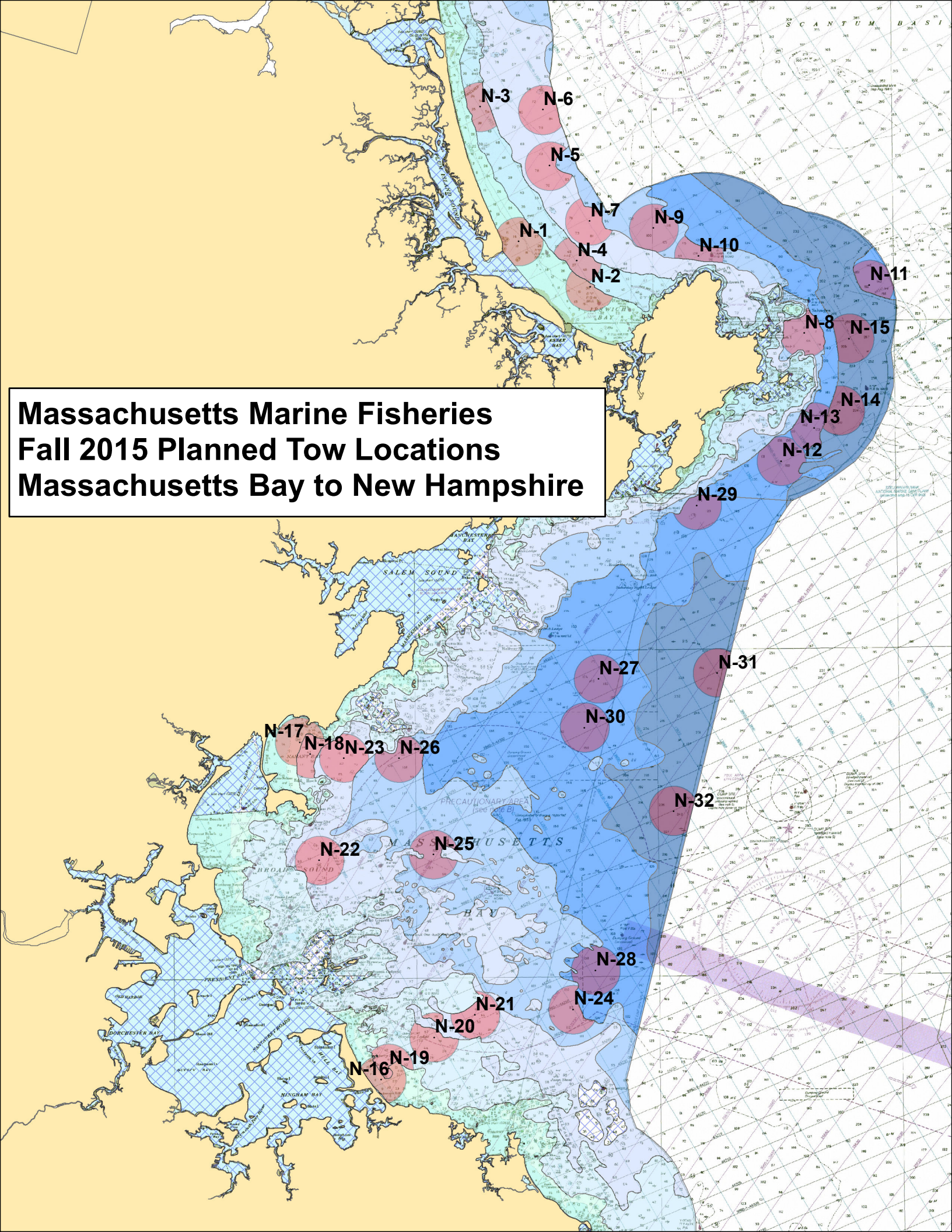
Area Description	Depth	Range of Dates	Latitude	Longitude	Loran	Sta. ID#
Nantucket Sound	0-30'	September 15-24	41°38.31	-70°05.31	13897.8 / 43944.1	S-21
	0-30'	September 15-24	41°22.25	-70°17.05	14033.6 / 43859.3	S-22
	0-30'	September 15-24	41°25.47	-70°25.68	14070.7 / 43891.7	S-23
	0-30'	September 15-24	41°25.33	-70°30.92	14102.0 / 43898.0	S-24
	0-30'	September 15-24	41°26.32	-70°29.66	14090.6 / 43902.7	S-25
	0-30'	September 15-24	41°33.95	-70°14.46	13969.9 / 43930.0	S-26
	0-30'	September 15-24	41°32.50	-70°17.85	13995.9 / 43925.8	S-27
	0-30'	September 15-24	41°37.25	-70°08.62	13921.6 / 43942.4	S-28
	0-30'	September 15-24	41°32.96	-70°03.83	13912.7 / 43909.3	S-29
	0-30'	September 15-24	41°37.16	-70°11.72	13940.0 / 43946.2	S-30
	31'-60'	September 15-24	41°31.42	-70°14.78	13982.4 / 43914.6	S-31
	31'-60'	September 15-24	41°27.74	-70°02.56	13927.8 / 43875.0	S-32
	31'-60'	September 15-24	41°29.23	-70°15.50	13995.9 / 43901.9	S-33
	31'-60'	September 15-24	41°30.46	-70°34.13	14100.4 / 43936.1	S-34
	31'-60'	September 15-24	41°28.84	-70°13.63	13986.7 / 43896.8	S-35
	31'-60'	September 15-24	41°23.34	-70°04.00	13954.7 / 43849.3	S-36
	31'-60'	September 15-24	41°30.23	-70°09.31	13956.0 / 43899.7	S-37
	31'-60'	September 15-24	41°26.71	-70°23.04	14050.4 / 43896.2	S-38
	31'-60'	September 15-24	41°31.95	-70°29.80	14068.6 / 43939.3	S-39
	31'-60'	September 15-24	41°34.58	-70°05.25	13913.7 / 43921.0	S-40
	31'-60'	September 15-24	41°33.68	-70°21.61	14012.9 / 43938.5	S-41
Buzzards Bay and Vineyard Sound	0-30'	September 15-24	41°38.64	-70°43.39	14122.0 / 44002.6	S-1
	0-30'	September 15-24	41°35.57	-70°48.69	14167.0 / 43990.7	S-2
	0-30'	September 15-24	41°21.60	-70°46.10	14207.0 / 43894.4	S-3
	31'-60'	September 15-24	41°32.72	-70°46.47	14165.2 / 43968.9	S-4
	31'-60'	September 15-24	41°35.69	-70°43.65	14135.9 / 43983.8	S-5
	31'-60'	September 15-24	41°29.56	-70°50.75	14203.8 / 43954.6	S-6
	31'-60'	September 15-24	41°39.82	-70°40.97	14102.9 / 44006.5	S-7
	31'-60'	September 15-24	41°25.42	-71°02.25	14290.0 / 43944.0	S-8
	61'-90'	September 15-24	41°22.80	-70°52.91	14243.3 / 43912.6	S-9
	61'-90'	September 15-24	41°23.62	-70°55.12	14253.5 / 43921.2	S-10
	61'-90'	September 15-24	41°27.45	-70°43.58	14168.9 / 43930.0	S-11
	91'-120'	September 15-24	41°20.54	-70°55.01	14264.4 / 43900.2	S-12
	91'-120'	September 15-24	41°24.20	-71°00.36	14283.0 / 43932.8	S-13
Southwest of Gay Head and South of Martha's Vineyard	0-30'	September 15-24	41°23.61	-70°25.67	14078.2 / 43879.6	S-14
	0-30'	September 15-24	41°20.36	-70°29.31	14112.4 / 43863.2	S-15
	31'-60'	September 15-24	41°18.44	-70°49.30	14238.1 / 43877.9	S-16
	31'-60'	September 15-24	41°20.09	-70°39.47	14173.2 / 43875.3	S-17
	61'-90'	September 15-24	41°17.50	-70°43.66	14208.0 / 43863.6	S-18
	61'-90'	September 15-24	41°18.35	-70°33.13	14142.7 / 43855.2	S-19
	91'-120'	September 15-24	41°12.70	-70°46.77	14244.6 / 43835.5	S-20
South of Nantucket	0-30'	September 15-24	41°17.20	-70°20.94	14076.5 / 43831.4	S-42
	0-30'	September 15-24	41°23.22	-70°01.20	13939.6 / 43845.0	S-43
	0-30'	September 15-24	41°21.58	-69°59.59	13937.2 / 43832.6	S-44
	31'-60'	September 15-24	41°14.26	-70°08.57	14017.6 / 43796.9	S-45
	31'-60'	September 15-24	41°25.84	-70°01.66	13930.7 / 43862.0	S-46
	31'-60'	September 15-24	41°21.10	-69°56.91	13923.9 / 43826.2	S-47
	61'-90'	September 15-24	41°13.90	-70°13.28	14045.6 / 43800.2	S-48


Massachusetts Marine Fisheries
Fall 2015 Planned Tow Locations
Massachusetts Bay to New Hampshire
N-1
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N-3
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N-10
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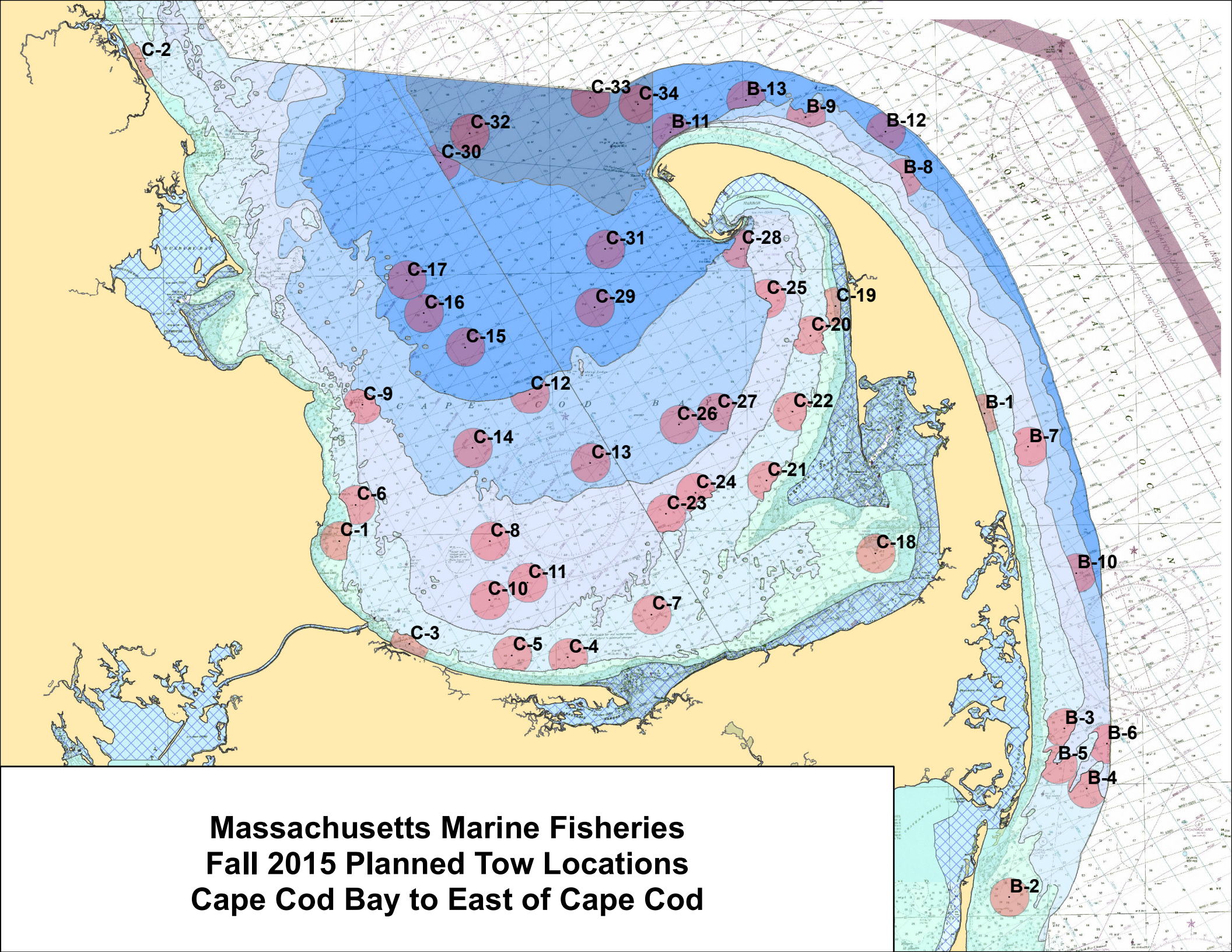
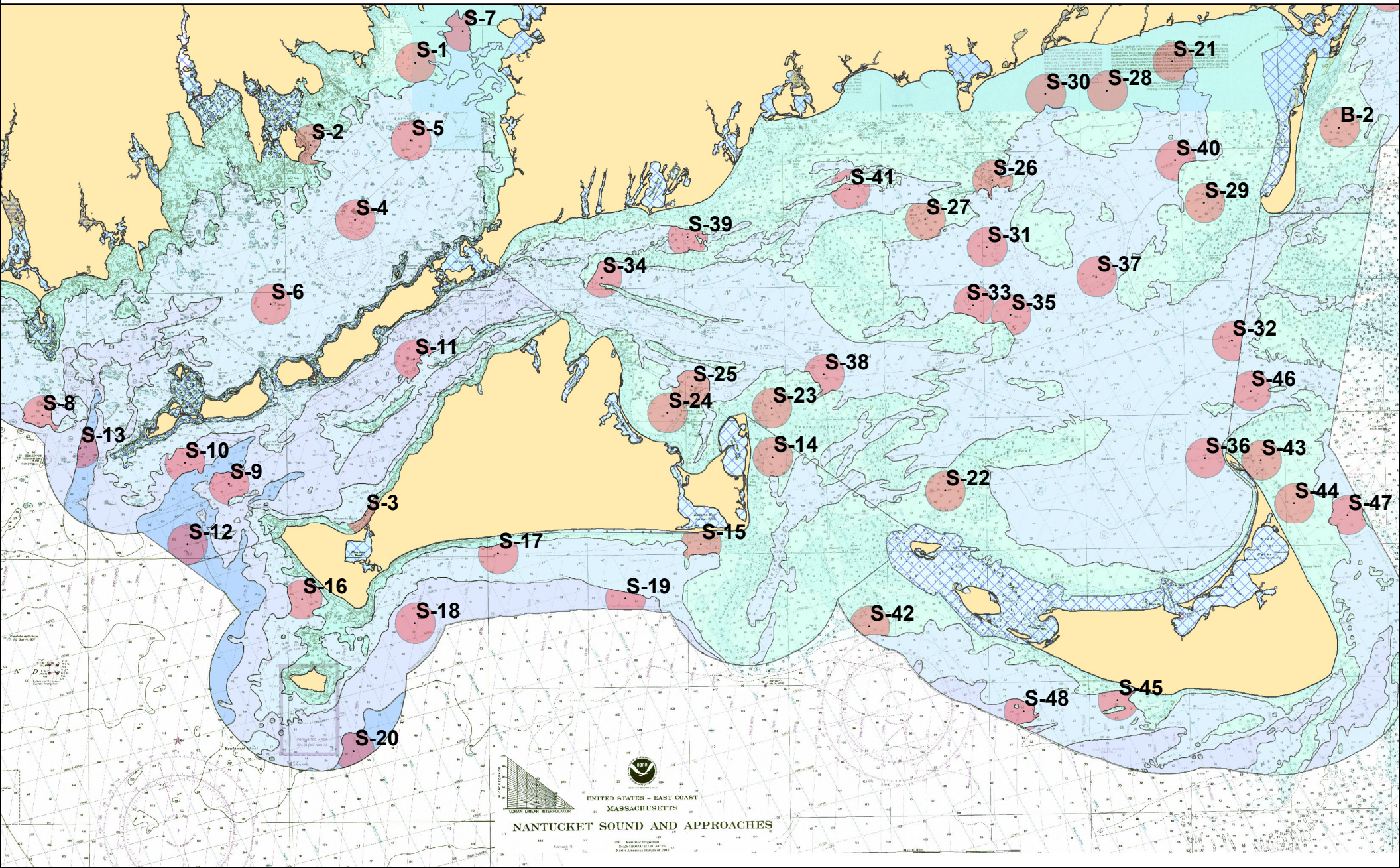
N-31
N-32
SALEM SOUND
PRECAUTIONARY AREA
(see note B)
MASSACHUSETTS
BAY
BROAD SOUND
DORCHESTER BAY
HINGHAM BAY
SCANTUM BASI



Massachusetts Marine Fisheries
Fall 2015 Planned Tow Locations
Cape Cod Bay to East of Cape Cod

Massachusetts Marine Fisheries
Fall 2015 Planned Tow Locations
South of Cape Cod