



Paul J. Diodati
Director

Commonwealth of Massachusetts

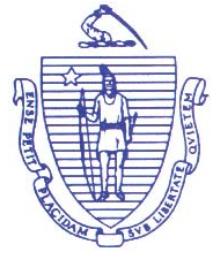
Division of Marine Fisheries

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Deval Patrick
Governor

Richard K. Sullivan, Jr.
Secretary

Mary B. Griffin
Commissioner

July 17, 2013

To Fixed-gear Fishermen of Massachusetts:

The Massachusetts Division of Marine Fisheries (*Marine Fisheries*) will be conducting a trawl survey throughout state coastal waters beginning September 3, 2013. We have been conducting these surveys each May and September since 1978 to provide a consistent sampling of benthic fishes and mobile invertebrates of Massachusetts coastal waters. Our survey data is used in a variety of important ways to determine the condition of fish stocks, to evaluate how construction activities affect fishing and the environment, and how best to manage fisheries and to protect fishery resources to name just a few. 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 from north of Cape Ann to east of Cape Cod. **We must 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.** While we will make every attempt to complete stations during the assigned period and to minimize inconvenience to fixed gear fishermen, *Marine Fisheries* 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.

In the event of a delay due to weather, we will resume our schedule 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. Station location information can also be accessed at our website (<http://www.mass.gov/dfwele/dmf/programsandprojects/resource.htm>).

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 at least once 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).

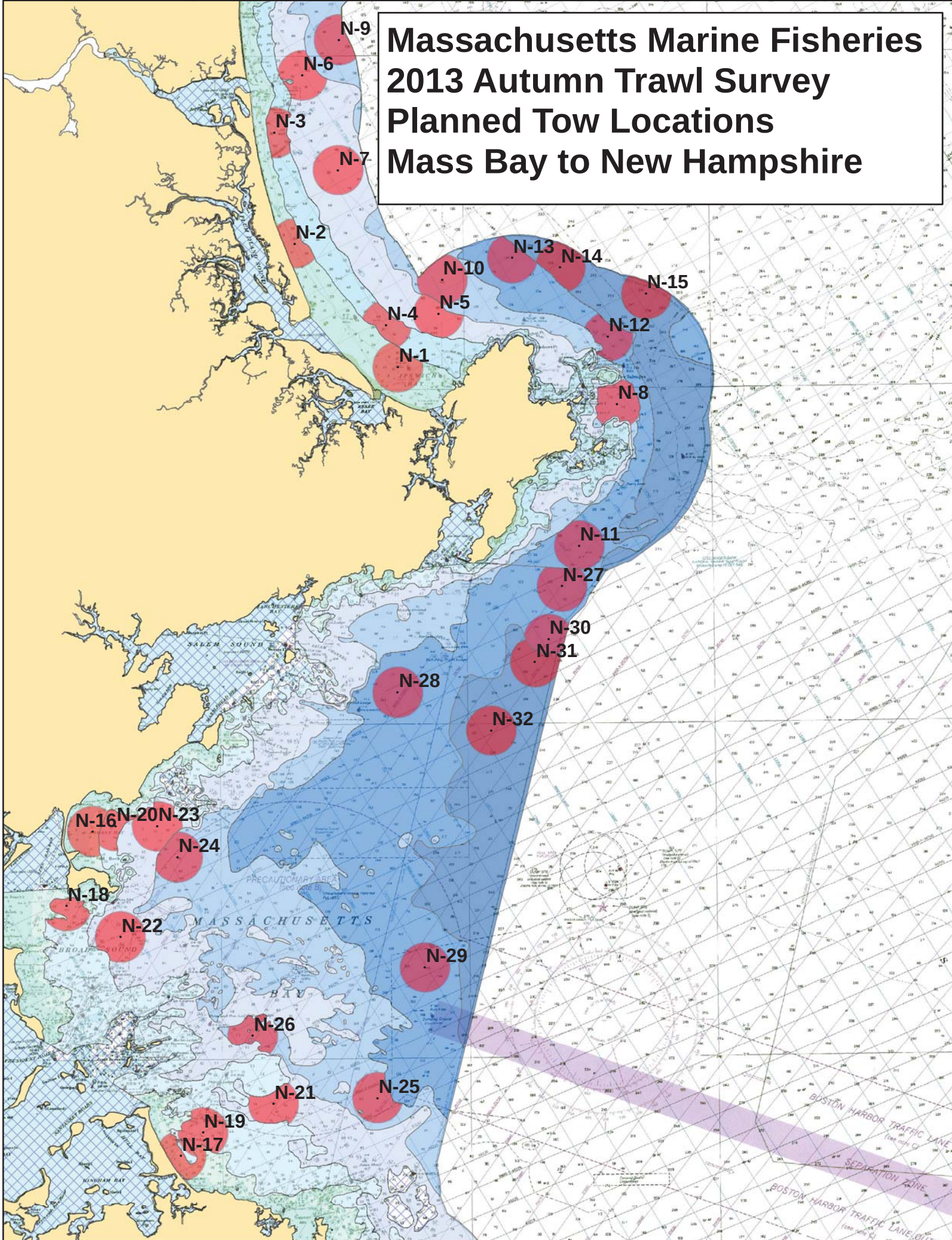
Sincerely,

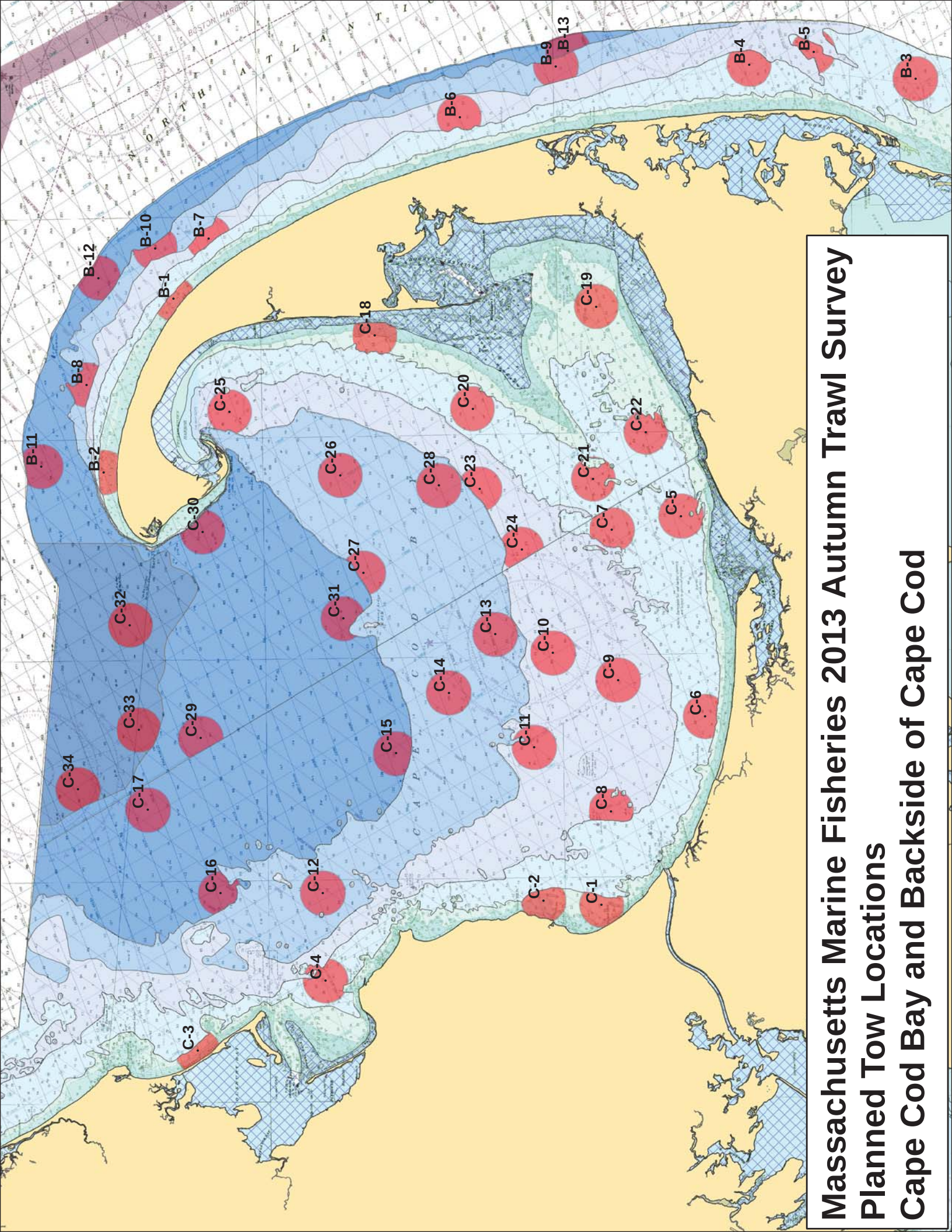
A handwritten signature in blue ink, appearing to read "Jeremy King", is written over a light blue horizontal line.

Jeremy King
Senior Marine Fisheries Biologist

Cc. Paul Diodati, Director

Massachusetts Marine Fisheries 2013 Autumn Trawl Survey Planned Tow Locations Mass Bay to New Hampshire





**Massachusetts Marine Fisheries 2013 Autumn Trawl Survey
Planned Tow Locations
Cape Cod Bay and Backside of Cape Cod**

Massachusetts Division of Marine Fisheries
September 2013 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 to 30	Sept 7 - 10	70°42.6870	42°40.6742	13823.3 / 44366.8	N-1
	0 to 30	Sept 7 - 10	70°46.8229	42°44.3873	13830.1 / 44394.2	N-2
	31 to 60	Sept 7 - 10	70°47.6075	42°47.7077	13818.0 / 44413.0	N-3
	31 to 60	Sept 7 - 10	70°43.1394	42°41.9281	13819.8 / 44374.2	N-4
	61 to 90	Sept 7 - 10	70°41.0248	42°42.2562	13804.3 / 44371.9	N-5
	61 to 90	Sept 7 - 10	70°46.4557	42°49.4114	13801.0 / 44419.8	N-6
	61 to 90	Sept 7 - 10	70°45.0380	42°46.5726	13806.8 / 44402.0	N-7
	91 to 120	Sept 7 - 10	70°33.8224	42°39.5041	13772.5 / 44343.6	N-8
	91 to 120	Sept 7 - 10	70°44.9480	42°50.4625	13784.9 / 44422.0	N-9
	91 to 120	Sept 7 - 10	70°40.8573	42°43.2695	13797.7 / 44376.9	N-10
	121 to 180	Sept 6 - 10	70°35.4180	42°35.2849	13805.0 / 44324.2	N-11
	121 to 180	Sept 7 - 10	70°34.1634	42°41.5245	13764.0 / 44355.0	N-12
	121 to 180	Sept 7 - 10	70°38.0064	42°43.8945	13775.8 / 44374.9	N-13
	181+	Sept 7 - 10	70°36.0664	42°43.5974	13764.7 / 44369.5	N-14
	181+	Sept 7 - 10	70°32.5927	42°42.7931	13747.0 / 44358.9	N-15
Massachusetts Bay	0 to 30	Sept 6 - 8	70°55.1810	42°26.8587	43975.8 / 44315.0	N-16
	0 to 30	Sept 5 - 8	70°51.7073	42°17.1541	14001.0 / 44252.9	N-17
	31 to 60	Sept 6 - 8	70°56.2432	42°24.6452	13993.8 / 44304.0	N-18
	31 to 60	Sept 5 - 8	70°50.8138	42°17.8386	13991.7 / 44255.0	N-19
	31 to 60	Sept 6 - 8	70°54.2481	42°27.0226	13969.0 / 44314.0	N-20
	61 to 90	Sept 5 - 8	70°47.9649	42°18.6860	13969.9 / 44254.8	N-21
	61 to 90	Sept 6 - 8	70°54.0848	42°23.7047	13984.5 / 44294.9	N-22
	61 to 90	Sept 6 - 8	70°52.5652	42°27.0091	13958.0 / 44310.8	N-23
	91 to 120	Sept 6 - 8	70°51.7551	42°26.0771	13957.0 / 44303.8	N-24
	91 to 120	Sept 5 - 7	70°43.7731	42°18.8312	13942.2 / 44247.8	N-25
	91 to 120	Sept 5 - 8	70°48.7815	42°20.7190	13964.9 / 44268.0	N-26
	121 to 180	Sept 6 - 10	70°36.1338	42°34.0690	13816.2 / 44318.5	N-27
	121 to 180	Sept 6 - 11	70°42.8115	42°30.9512	13875.3 / 44314.0	N-28
	121 to 180	Sept 9 - 11	70°41.8190	42°22.7207	13910.5 / 44266.3	N-29
	121 to 180	Sept 6 - 11	70°36.6900	42°32.5006	13828.0 / 44311.0	N-30
	181+	Sept 6 - 11	70°37.2496	42°31.8179	13835.0 / 44308.4	N-31

Massachusetts Division of Marine Fisheries
September 2013 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 to 30	Sept 3 - 6	70°31.2984	41°48.7994	14005.0 / 44047.8	C-1
	0 to 30	Sept 3 - 6	70°31.0691	41°50.7463	13994.8 / 44059.2	C-2
	0 to 30	Sept 5 - 7	70°37.6980	42°02.4437	13982.0 / 44141.2	C-3
	31 to 60	Sept 3 - 7	70°34.5667	41°58.1135	13982.8 / 44109.9	C-4
	31 to 60	Sept 3 - 6	70°13.8507	41°45.9384	13913.4 / 44003.4	C-5
	31 to 60	Sept 3 - 6	70°22.8720	41°45.2214	13970.0 / 44012.8	C-6
	31 to 60	Sept 3 - 6	70°14.4200	41°48.2734	13906.2 / 44018.4	C-7
	61 to 90	Sept 3 - 6	70°27.0840	41°48.4333	13981.1 / 44039.0	C-8
	61 to 90	Sept 3 - 6	70°21.1887	41°48.1405	13947.0 / 44028.0	C-9
	61 to 90	Sept 3 - 6	70°19.9278	41°50.3213	13929.8 / 44039.1	C-10
	61 to 90	Sept 3 - 6	70°24.1631	41°50.9888	13952.0 / 44049.9	C-11
	91 to 120	Sept 3 - 7	70°30.6160	41°58.1712	13958.2 / 44103.8	C-12
	91 to 120	Sept 3 - 6	70°19.0544	41°52.2459	13916.0 / 44049.5	C-13
	91 to 120	Sept 3 - 6	70°21.6570	41°53.8411	13923.9 / 44063.1	C-14
	121 to 180	Sept 3 - 6, 9 -11	70°24.3656	41°55.6568	13932.0 / 44078.7	C-15
	121 to 180	Sept 5 - 7	70°30.5789	42°01.6180	13942.0 / 44124.2	C-16
	121 to 180	Sept 9 - 11	70°26.7692	42°04.0334	13908.0 / 44132.0	C-17
Eastern Cape Cod Bay	0 to 30	Sept 10 - 12	70°05.4979	41°56.1639	13817.1 / 44052.1	C-18
	0 to 30	Sept 3 - 6	70°04.3640	41°48.6903	13845.3 / 44006.0	C-19
	31 to 60	Sept 10 - 12	70°08.8734	41°52.8999	13852.2 / 44038.0	C-20
	31 to 60	Sept 3 - 6	70°12.1222	41°48.8799	13890.0 / 44018.9	C-21
	31 to 60	Sept 3 - 6	70°10.0468	41°47.0838	13886.1 / 44004.9	C-22
	61 to 90	Sept 10 - 12	70°12.4957	41°52.7029	13874.5 / 44042.2	C-23
	61 to 90	Sept 10 - 12	70°15.2417	41°51.3219	13897.5 / 44038.1	C-24
	61 to 90	Sept 10 - 13	70°08.8497	42°01.0898	13813.1 / 44086.1	C-25
	91 to 120	Sept 10 - 12	70°11.7854	41°57.3882	13848.5 / 44069.0	C-26
	91 to 120	Sept 10 - 12	70°16.2066	41°56.6633	13878.5 / 44071.5	C-27
	91 to 120	Sept 10 - 12	70°12.3194	41°54.0724	13867.0 / 44050.2	C-28
	121 to 180	Sept 9 - 13	70°23.5596	42°02.2211	13896.3 / 44116.1	C-29
	121 to 180	Sept 10 - 13	70°14.2447	42°02.0620	13840.7 / 44100.1	C-30
	121 to 180	Sept 9 - 12	70°18.2521	41°57.3629	13887.1 / 44078.9	C-31
	181+	Sept 11 - 13	70°18.4079	42°04.5547	13854.8 / 44121.3	C-32
East of Cape Cod	181+	Sept 9 - 13	70°23.1447	42°04.3104	13884.4 / 44128.0	C-33
	181+	Sept 9 - 11	70°25.8040	42°06.3841	13890.9 / 44144.5	C-34
	0 to 30	Sept 11 - 14	70°03.6981	42°02.9213	13774.5 / 44088.6	B-1
	0 to 30	Sept 11 - 13	70°11.4918	42°05.3613	13809.2 / 44114.9	B-2
	31 to 60	Sept 12 - 14	69°54.3871	41°37.7907	13837.2 / 43926.0	B-3
	31 to 60	Sept 12 - 14	69°53.6017	41°43.3805	13807.7 / 43958.7	B-4
	31 to 60	Sept 12 - 14	69°53.0802	41°41.2057	13814.1 / 43944.9	B-5
	61 to 90	Sept 11 - 14	69°55.7402	41°53.1711	13774.8 / 44020.0	B-6
	61 to 90	Sept 11 - 14	70°00.9876	42°01.7040	13764.0 / 44077.5	B-7
	91 to 120	Sept 11 - 14	70°07.5252	42°05.8947	13783.0 / 44111.8	B-8
	91 to 120	Sept 12 - 14	69°53.5144	41°49.9036	13777.0 / 43997.5	B-9
	91 to 120	Sept 11 - 14	70°01.3976	42°03.5032	13757.8 / 44088.3	B-10
	121 to 180	Sept 11 - 13	70°11.1858	42°07.4657	13797.1 / 44126.5	B-11
	121 to 180	Sept 11 - 14	70°02.6986	42°05.4293	13756.5 / 44101.4	B-12
	121 to 180	Sept 12 - 14	69°52.8324	41°49.4849	13775.0 / 43994.1	B-13