



**Paul J. Diodati**  
*Director*

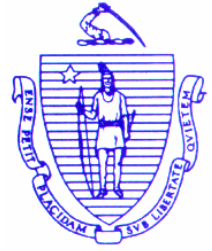
# *Commonwealth of Massachusetts*

## **Division of Marine Fisheries**

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March 11, 2010

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 May 3, 2010. 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,

Jeremy King

Senior Marine Fisheries Biologist

Cc. Paul Diodati, Director

**Massachusetts Division of Marine Fisheries May 2010 Spring 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	General Description	Depth	Range of Dates	Latitude	Longitude	Loran	Sta. ID#
<b>Cape Ann and North</b>	E of Plum Island	0 to 30	May 7 - 10	42°45.53	-70°47.49	13828.8 \ 44401.4	N1
	E of Plum Island	0 to 30	May 7 - 10	42°43.22	-70°45.95	13830.8 \ 44386.3	N2
	NE of Castle Neck	31 to 60	May 7 - 10	42°41.93	-70°43.14	13819.5 \ 44374.1	N3
	E of Plum Island	31 to 60	May 7 - 10	42°44.74	-70°46.01	13823.0 \ 44394.5	N4
	E of Plum Island	61 to 90	May 7 - 10	42°44.26	-70°44.27	13814.3 \ 44388.6	N5
	NE of Castle Neck	61 to 90	May 7 - 10	42°42.93	-70°43.17	13814.4 \ 44379.4	N6
	E of Plum Island	61 to 90	May 7 - 10	42°46.28	-70°45.44	13811.0 \ 44401.2	N7
	N of Halibut Point	91 to 120	May 7 - 10	42°42.23	-70°38.17	13785.9 \ 44366.1	N8
	N of Thacher Island	91 to 120	May 7 - 10	42°39.47	-70°33.90	13773.3 \ 44343.7	N9
	NW of Halibut Point	91 to 120	May 7 - 10	42°42.99	-70°39.79	13792.0 \ 44373.2	N10
	N of Halibut Point	121 to 180	May 7 - 10	42°42.29	-70°36.99	13777.9 \ 44364.3	N11
	N of Dry Salvages	121 to 180	May 7 - 10	42°41.57	-70°34.16	13763.3 \ 44355.1	N12
	S of Thacher Island	121 to 180	May 7 - 10	42°35.56	-70°34.67	13799.0 \ 44324.2	N13
	E of Thacher Island	180 +	May 7 - 10	42°37.61	-70°30.84	13763.8 \ 44328.1	N14
	NE of Thacher Island	180 +	May 7 - 10	42°39.87	-70°31.08	13753.1 \ 44340.6	N15
<b>Massachusetts Bay</b>	Nahant Bay	0 to 30	May 6 - 8	42°26.86	-70°55.35	13977.3 \ 44315.0	N16
	Nantasket Beach	0 to 30	May 5 - 8	42°16.91	-70°51.45	14000.5 \ 44250.6	N17
	NE of Cowen Rocks	31 to 60	May 5 - 7	42°13.99	-70°44.30	13969.2 \ 44220.6	N18
	NE of Black Rocks	31 to 60	May 5 - 8	42°17.10	-70°48.23	13979.0 \ 44245.9	N19
	Nantasket Beach	31 to 60	May 5 - 8	42°17.17	-70°51.37	13998.8 \ 44252.0	N20
	SE of Dread Ledge	61 to 90	May 6 - 8	42°26.98	-70°52.60	13958.3 \ 44310.4	N21
	E of Harding Ledge	61 to 90	May 5 - 8	42°18.46	-70°48.72	13975.6 \ 44254.7	N22
	NE of The Graves	91 to 120	May 6 - 8	42°23.24	-70°49.28	13955.7 \ 44283.0	N23
	NE of Nahant	91 to 120	May 6 - 8	42°26.25	-70°51.81	13957.0 \ 44304.7	N24
	SW of Dumping Ground	91 to 120	May 5 - 8	42°18.49	-70°43.17	13940.0 \ 44244.8	N25
	SW of Saturday Night Ledge	121 to 180	May 6 - 11	42°30.96	-70°42.15	13870.7 \ 44312.8	N26
	E of Saturday Night Ledge	121 to 180	May 6 - 11	42°31.90	-70°40.09	13852.8 \ 44314.0	N27
	N of Dumping Ground	121 to 180	May 6 - 11	42°22.69	-70°41.79	13910.4 \ 44266.2	N28
	NE of Dumping Ground	180 +	May 6 - 11	42°25.18	-70°39.64	13884.3 \ 44276.2	N29
	SE of Saturday Night Ledge	180 +	May 6 - 11	42°30.58	-70°38.43	13849.0 \ 44303.7	N30

Massachusetts Division of Marine Fisheries May 2010 Spring Trawl Survey

Station Locations Cape Cod Bay

\* Loran coordinates taken from NOAA paper charts.

Please refer to Lat/Long. For best accuracy.

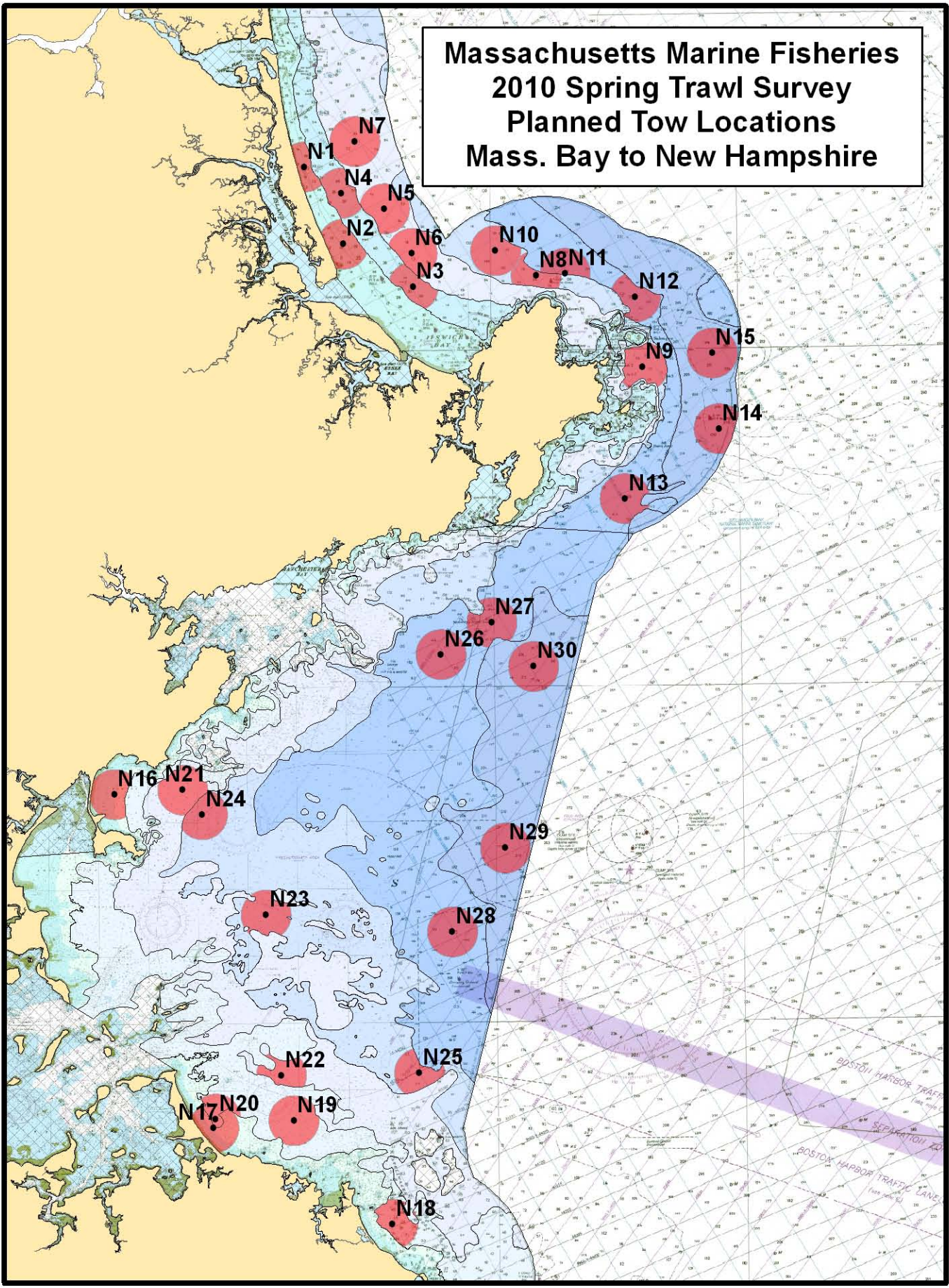
Area Description	General Description	Depth	Range of Dates	Latitude	Longitude	Loran	Sta. ID#
<b>Western Cape Cod Bay</b>	SE of Ellisville Harbor	0 to 30	May 3 - 5	41°49.54	-70°31.01	13999.8 \ 44051.7	C1
	N of Sandy Neck	0 to 30	May 3 - 5	41°44.50	-70°20.56	13959.6 \ 44004.8	C2
	S of Humarock	0 to 30	May 5 - 7	42°08.08	-70°40.86	13976.0 \ 44180.0	C3
	N of Sandy Neck	31 to 60	May 3 - 5	41°46.21	-70°20.05	13949.0 \ 44014.4	C4
	E of Center Hill Point	31 to 60	May 3 - 5	41°51.18	-70°29.70	13984.5 \ 44059.6	C5
	E of Sagamore Beach	31 to 60	May 3 - 5	41°48.13	-70°29.37	13996.2 \ 44040.4	C6
	NE of Cape Cod Canal	61 to 90	May 3 - 5	41°47.88	-70°25.56	13974.2 \ 44033.0	C7
	N of Sandy Neck	61 to 90	May 3 - 5, 10 - 12	41°50.86	-70°18.71	13920.0 \ 44040.5	C8
	NE of Cape Cod Canal	61 to 90	May 3 - 5	41°48.40	-70°22.24	13952.0 \ 44031.1	C9
	SW of Fishing Ledge	91 to 120	May 3 - 5, 10 - 12	41°53.24	-70°19.22	13912.0 \ 44055.6	C10
	SW of Fishing Ledge	91 to 120	May 3 - 5, 10 - 12	41°51.70	-70°20.20	13925.0 \ 44047.8	C11
	NE of Brant Rock	91 to 120	May 5 - 7, 9 - 11	42°07.02	-70°31.26	13921.0 \ 44157.3	C12
	E of Brant Rock	121 to 180	May 9 - 11	42°03.75	-70°28.96	13922.7 \ 44134.1	C13
	E of Brant Rock	121 to 180	May 9 - 11	42°07.13	-70°29.81	13911.7 \ 44155.3	C14
	E of Gurnet Point	121 to 180	May 5 - 7, 9 - 11	41°59.31	-70°27.99	13937.0 \ 44106.1	C15
<b>Eastern Cape Cod Bay</b>	N of Billingsgate Shoal	0 to 30	May 3 - 5	41°53.29	-70°06.80	13838.4 \ 44037.1	C16
	W of Billingsgate Shoal	0 to 30	May 3 - 5	41°49.83	-70°10.14	13874.0 \ 44021.4	C17
	W of Pamet River	31 to 60	May 10 - 12	41°58.73	-70°06.71	13812.0 \ 44069.0	C18
	NW of Billingsgate Shoal	31 to 60	May 3 - 5	41°50.46	-70°11.55	13879.5 \ 44027.5	C19
	S of Wood End	61 to 90	May 10 - 12	41°57.27	-70°09.12	13833.2 \ 44064.3	C20
	W of Pamet River	61 to 90	May 10 - 12	41°59.75	-70°08.27	13816.5 \ 44077.3	C21
	E of Fishing Ledge	91 to 120	May 10 - 12	41°55.93	-70°17.26	13888.0 \ 44068.8	C22
	S of Wood End	91 to 120	May 10 - 12	41°57.28	-70°10.38	13840.7 \ 44066.1	C23
	W of Race Point	121 to 180	May 9 - 13	42°02.15	-70°21.26	13883.0 \ 44112.0	C24
	N of Fishing Ledge	121 to 180	May 10 - 12	41°57.40	-70°17.88	13884.8 \ 44078.4	C25
	W of Race Point	180 +	May 9 - 13	42°04.88	-70°17.56	13848.0 \ 44121.9	C26
	Outer Cape Cod Bay	180 +	May 9 - 13	42°04.71	-70°24.94	13893.4 \ 44133.0	C27
	Outer Cape Cod Bay	180 +	May 9 - 13	42°06.40	-70°24.50	13882.8 \ 44142.3	C28

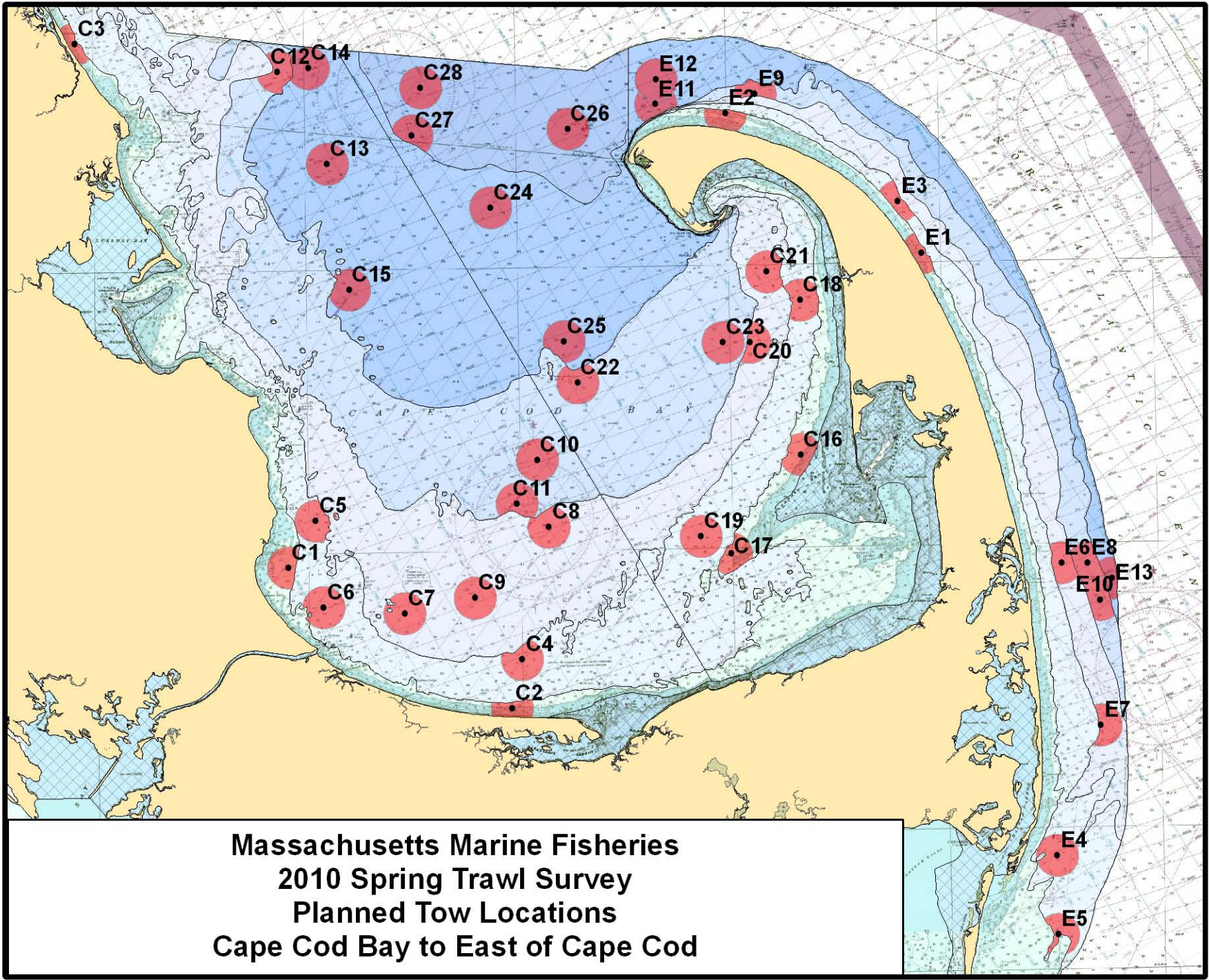
**Massachusetts Division of Marine Fisheries May 2010 Spring Trawl Survey  
Station Locations East of Cape Cod**

\* Loran coordinates taken from NOAA paper charts.  
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Area Description	General Description	Depth	Range of Dates	Latitude	Longitude	Loran	Sta. ID#
East of Cape Cod	S of Highland Light	0 to 30	May 11 - 13	42°00.33	-70°00.92	13770.4 \ 44069.6	E1
	Peaked Hill Bar	0 to 30	May 11 - 13	42°05.35	-70°10.11	13801.0 \ 44112.5	E2
	E of Highland Light	31 to 60	May 11 - 13	42°02.15	-70°02.01	13768.0 \ 44081.6	E3
	E of Chatham	31 to 60	May 12 - 14	41°39.01	-69°55.05	13835.5 \ 43934.1	E4
	E of Monomoy	31 to 60	May 12 - 14	41°36.22	-69°55.07	13848.2 \ 43917.3	E5
	E of Nauset Harbor	61 to 90	May 12 - 14	41°49.32	-69°54.59	13786.0 \ 43995.5	E6
	E of Pleasant Bay	61 to 90	May 12 - 14	41°43.58	-69°52.88	13802.6 \ 43958.9	E7
	E of Nauset Harbor	91 to 120	May 11 - 14	41°49.29	-69°53.36	13779.0 \ 43993.7	E8
	NE of Peaked Hill Bar	91 to 120	May 11 - 13	42°06.01	-70°08.68	13789.4 \ 44114.4	E9
	E of Nauset Harbor	91 to 120	May 12 - 14	41°47.99	-69°52.80	13781.9 \ 43985.1	E10
	N of Race Point	121 to 180	May 11 - 13	42°05.71	-70°13.39	13819.0 \ 44120.0	E11
	N of Race Point	121 to 180	May 11 - 13	42°06.57	-70°13.36	13814.5 \ 44124.8	E12
	E of Nauset Harbor	121 to 180	May 12 - 14	41°48.75	-69°52.23	13775.0 \ 43988.8	E13

**Massachusetts Marine Fisheries  
2010 Spring Trawl Survey  
Planned Tow Locations  
Mass. Bay to New Hampshire**





**Massachusetts Marine Fisheries  
2010 Spring Trawl Survey  
Planned Tow Locations  
Cape Cod Bay to East of Cape Cod**