



Paul J. Diodati
Director

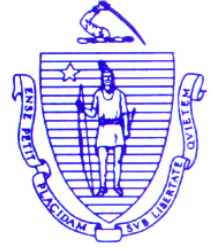
Commonwealth of Massachusetts

Division of Marine Fisheries

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July 19, 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 September 7, 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 September 2010 Autumn 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#
Cape Ann and North	Ipswich Bay	0 to 30	September 11 - 14	42°41.81	-70°43.92	13825.2 \	44375.0	N1
	Salisbury Beach	0 to 30	September 11 - 14	42°50.53	-70°48.61	13808.9 \	44429.2	N2
	Plum Island	31 to 60	September 11 - 14	42°45.13	-70°46.16	13822.0 \	44396.8	N3
	Ipswich Bay	31 to 60	September 11 - 14	42°41.67	-70°41.69	13811.8 \	44370.0	N4
	N of Ipswich Bay	61 to 90	September 11 - 14	42°42.63	-70°42.89	13814.0 \	44377.4	N5
	E of Salisbury Beach	61 to 90	September 11 - 14	42°50.23	-70°46.62	13797.2 \	44424.0	N6
	E of Plum Island	61 to 90	September 11 - 14	42°43.82	-70°43.90	13814.3 \	44385.6	N7
	E of Salisbury Beach	91 to 120	September 11 - 14	42°49.72	-70°44.97	13789.0 \	44418.2	N8
	E of Salisbury Beach	91 to 120	September 11 - 14	42°51.57	-70°45.26	13780.9 \	44428.4	N9
	S of Thacher Island	120 to 180	September 11 - 14	42°35.76	-70°34.77	13798.2 \	44325.0	N10
	N of Halibut Point	121 to 180	September 11 - 14	42°42.30	-70°37.13	13778.8 \	44364.7	N11
	E of Thacher Island	121 to 180	September 11 - 14	42°38.68	-70°32.68	13769.9 \	44337.3	N12
	SE of Thacher Island	180 +	September 11 - 14	42°37.14	-70°32.19	13774.6 \	44327.6	N13
	NE of Dry Salvages	180 +	September 11 - 14	42°42.26	-70°32.39	13748.7 \	44355.5	N14
Massachusetts Bay	S of Nahant	0 to 30	September 10 - 11	42°24.47	-70°57.62	14003.2 \	44305.9	N15
	Nahant Bay	0 to 30	September 10 - 11	42°27.10	-70°55.02	13973.4 \	44315.5	N16
	Harding Ledge	31 to 60	September 9 - 11	42°18.25	-70°49.46	13981.1 \	44254.9	N17
	SE of Harding Ledge	31 to 60	September 9 - 10	42°17.07	-70°48.17	13978.9 \	44245.8	N18
	Nahant Bay	31 to 60	September 10 - 11	42°26.29	-70°54.71	13975.5 \	44311.0	N19
	Broad Sound	61 to 90	September 10 - 11	42°23.71	-70°54.06	13984.0 \	44294.6	N20
	E of Harding Ledge	61 to 90	September 9 - 11	42°18.69	-70°48.07	13970.4 \	44254.9	N21
	Middle Ground	91 to 120	September 10 - 11	42°32.83	-70°43.50	13869.5 \	44325.5	N22
	E of Tinkers Ledge	91 to 120	September 10 - 15	42°28.94	-70°45.85	13904.9 \	44308.5	N23
	Middle of Mass Bay	91 to 120	September 10 - 11	42°23.39	-70°49.35	13955.2 \	44284.0	N24
	E of Tinkers Ledge	121 to 180	September 10 - 11	42°28.99	-70°44.79	13897.6 \	44306.9	N25
	Saturday Night Ledge	121 to 180	September 10 - 15	42°32.15	-70°40.03	13850.9 \	44315.3	N26
	S of Tinkers Ledge	121 to 180	September 10 - 11	42°27.04	-70°48.31	13930.2 \	44302.3	N27
	E of Gloucester Harbor	121 to 180	September 10 - 14	42°34.27	-70°36.59	13818.0 \	44320.3	N28
	E of Saturday Night Ledge	180 +	September 10 - 15	42°32.16	-70°37.71	13836.2 \	44311.0	N29
	Outer Mass Bay	181 +	September 10 - 11, 13 - 15	42°25.80	-70°39.99	13883.2	44280.2	N30

Massachusetts Division of Marine Fisheries September 2010 Autumn 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#
Western Cape Cod Bay	SE of Cape Cod Canal	0 to 30	September 7 - 9	41°45.81	-70°27.27	13993.5 \	44022.9	C1
	E of Humarock	0 to 30	September 9 - 10	42°08.27	-70°40.88	13975.0 \	44181.0	C2
	Plymouth Bay	0 to 30	September 7 - 10	41°58.33	-70°36.30	13992.5 \	44114.0	C3
	E of Humarock	31 to 60	September 9 - 10	42°08.72	-70°40.55	13970.2 \	44183.0	C4
	E of Center Hill Point	31 to 60	September 7 - 10	41°51.15	-70°29.73	13985.0 \	44059.6	C5
	NE of Cape Cod Canal	31 to 60	September 7 - 10	41°48.03	-70°28.62	13992.0 \	44038.8	C6
	N of Barnstable Harbor	31 to 60	September 7 - 9	41°46.06	-70°17.61	13935.1 \	44009.8	C7
	N of Barnstable Harbor	61 to 90	September 7 - 9	41°49.31	-70°17.68	13920.9 \	44029.7	C8
	E of Center Hill Point	61 to 90	September 7 - 10	41°52.00	-70°27.91	13970.0 \	44062.0	C9
	E of Cape Cod Canal	61 to 90	September 7 - 9	41°46.88	-70°25.01	13975.5 \	44026.2	C10
	N of Barnstable Harbor	61 to 90	September 7 - 9	41°47.89	-70°18.68	13933.5 \	44022.9	C11
	E of Manomet Point	91 to 120	September 7 - 10	41°55.23	-70°28.23	13957.1 \	44082.0	C12
	NE of Manomet Point	91 to 120	September 7 - 10	41°58.20	-70°30.44	13957.5 \	44103.9	C13
	E of Manomet Point	91 to 120	September 7 - 10	41°53.92	-70°25.31	13945.5 \	44069.5	C14
	Middle of Cape Cod Bay	121 to 180	September 9 - 10, 13 - 15	42°03.35	-70°26.59	13909.5 \	44127.9	C15
	NW of Fishing Ledge	121 to 180	September 13 - 15	41°58.33	-70°22.65	13909.2	44091.8	C16
	E of Gurnet Point	121 to 180	September 9 - 10	42°02.00	-70°28.97	13930.2	44123.6	C17
Eastern Cape Cod Bay	W of Wellfleet	0 to 30	September 14 - 16	41°54.57	-70°06.12	13828.5 \	44043.9	C18
	W of Wellfleet	0 to 30	September 14 - 16	41°55.90	-70°05.70	13819.8 \	44051.0	C19
	W of Wellfleet	31 to 60	September 14 - 16	41°55.78	-70°07.59	13831.5 \	44053.2	C20
	SW of Billingsgate Shoal	31 to 60	September 7 - 9	41°48.13	-70°10.67	13884.9 \	44012.0	C21
	W of Billingsgate Shoal	31 to 60	September 7 - 9	41°50.17	-70°11.71	13881.8 \	44026.0	C22
	W of Billingsgate Shoal	61 to 90	September 7 - 9	41°51.50	-70°13.89	13888.2 \	44037.3	C23
	SE of Wood End	61 to 90	September 14 - 17	42°00.34	-70°09.48	13820.8 \	44082.9	C24
	NW of Billingsgate Shoal	61 to 90	September 14 - 16	41°54.72	-70°10.35	13852.7 \	44051.0	C25
	NE of Fishing Ledge	91 to 120	September 14 - 16	41°57.69	-70°15.01	13866.3 \	44075.9	C26
	SE of Fishing Ledge	91 to 120	September 7 - 9, 14 - 16	41°52.81	-70°15.47	13891.8 \	44047.7	C27
	E of Fishing Ledge	91 to 120	September 14 - 16	41°55.24	-70°12.73	13864.0 \	44058.0	C28
	NE of Fishing Ledge	121 to 180	September 14 - 16	41°57.53	-70°15.62	13870.5 \	44075.8	C29
	N of Fishing Ledge	121 to 180	September 13 - 15	41°58.84	-70°18.34	13880.8 \	44088.0	C30
	W of Wood End	121 to 180	September 14 - 17	42°02.20	-70°14.70	13843.0	44101.9	C31
	W of Race Point	180 +	September 13 - 17	42°04.15	-70°21.01	13871.8	44123.2	C32
	W of Race Point	180 +	September 13 - 17	42°04.08	-70°17.20	13849.0	44116.8	C33
	NW of Race Point	180 +	September 13 - 17	42°05.64	-70°19.65	13856.0	44129.8	C34

Massachusetts Division of Marine Fisheries September 2010 Autumn Trawl Survey
Station Locations East of Cape Cod

* 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#
East of Cape Cod	E of Monomoy	0 to 30	September 16 - 18	41°35.88	-69°57.16	13861.5 \	43918.0	E1
	N of Highland Light	0 to 30	September 15 - 17	42°02.99	-70°03.78	13774.2 \	44089.2	E2
	E of Monomoy	31 to 60	September 16 - 18	41°36.62	-69°54.43	13843.0 \	43918.8	E3
	NE of Monomoy	31 to 60	September 16 - 18	41°38.19	-69°53.68	13831.5 \	43927.4	E4
	E of Wellfleet	31 to 60	September 15 - 18	41°54.96	-69°57.61	13777.0 \	44033.7	E5
	E of Wellfleet	61 to 90	September 15 - 18	41°57.88	-69°57.98	13765.0 \	44051.3	E6
	E of Pleasant Bay	61 to 90	September 16 - 18	41°42.52	-69°52.70	13806.3 \	43952.0	E7
	N of Peaked Hill Bar	91 to 120	September 15 - 17	42°05.97	-70°07.80	13783.5 \	44112.7	E8
	NE of Highlands	91 to 120	September 15 - 17	42°03.45	-70°01.23	13757.0 \	44088.0	E9
	E of Nauset	91 to 120	September 16 - 18	41°49.98	-69°53.32	13775.7 \	43997.8	E10
	E of Nauset	121 to 180	September 16 - 18	41°49.89	-69°52.61	13771.5 \	43996.4	E11
	NE of Highlands	121 to 180	September 15 - 17	42°04.29	-70°00.94	13751.2 \	44092.5	E12
	N of Race Point	121 to 180	September 15 - 17	42°05.85	-70°13.34	13817.3 \	44121.0	E13

**Massachusetts Marine Fisheries
2010 Fall Trawl Survey
Planned Tow Locations
Massachusetts Bay to New Hampshire**

