



Paul J. Diodati
Director

Commonwealth of Massachusetts

Division of Marine Fisheries

251 Causeway Street, Suite 400

Boston, Massachusetts 02114

(617)626-1520

fax (617)626-1509



Deval Patrick
Governor

Ian A. Bowles
Secretary

Mary B. Griffin
Commissioner

July 23, 2009

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 8, 2009. 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 n mi., generally along a depth contour. We encourage communicating helpful information to the R/V officers (via channels 13 or 16).

Thank you for your cooperation.

Sincerely,

Paul J. Diodati
Director

Massachusetts Division of Marine Fisheries September 2009 Fall Trawl Survey
Station Locations Massachusetts Bay to New Hampshire

Area Description	General Description	Depth	Range of Dates	Latitude	Longitude	Loran	ID
Cape Ann and North	Salisbury Beach	0 to 30	September 12 - 15	42 ° 50.44	70 ° 48.64	13809.4 \ 44429.1	C1
	N of Coffin Beach	0 to 30	September 12 - 15	42 ° 40.61	70 ° 42.84	13824.7 \ 44366.6	C2
	NE of Castle Neck	31 to 60	September 12 - 15	42 ° 41.93	70 ° 43.14	13819.8 \ 44374.2	C8
	E of Newbury	31 to 60	September 12 - 15	42 ° 47.59	70 ° 47.65	13818.5 \ 44412.4	C9
	NW of Folly Cove	61 to 90	September 12 - 15	42 ° 41.97	70 ° 39.96	13798.9 \ 44368.3	C10
	E of Plum Island	61 to 90	September 12 - 15	42 ° 44.08	70 ° 44.21	13815.0 \ 44387.5	C11
	E of Newbury	61 to 90	September 12 - 15	42 ° 47.30	70 ° 45.62	13806.6 \ 44407.0	C12
	NE of Salisbury Beach	91 to 120	September 12 - 15	42 ° 50.97	70 ° 45.04	13782.8 \ 44424.8	C13
	E of Plum Island	91 to 120	September 12 - 15	42 ° 44.81	70 ° 43.19	13804.5 \ 44389.5	C14
	S of Salt Is. Ledge	121 to 180	September 12 - 15	42 ° 35.12	70 ° 35.66	13807.5 \ 44323.2	C3
	N of Halibut Point	121 to 180	September 12 - 15	42 ° 42.94	70 ° 37.47	13777.6 \ 44368.6	C4
	N of Halibut Point	121 to 180	September 12 - 15	42 ° 44.13	70 ° 38.13	13775.3 \ 44376.3	C5
	NE of Flat Ground	181 +	September 12 - 15	42 ° 42.03	70 ° 32.20	13748.8 \ 44354.0	C6
	NE of Halibut Point	181 +	September 12 - 15	42 ° 43.83	70 ° 36.08	13763.9 \ 44370.7	C7
Massachusetts Bay	Broad Sound	0 to 30	September 11 - 13	42 ° 24.47	70 ° 57.62	14003.8 \ 44305.8	C15
	Nantasket Beach	0 to 30	September 10 - 12	42 ° 16.77	70 ° 51.31	14000.5 \ 44249.7	C16
	Nahant Bay	31 to 60	September 11 - 13	42 ° 26.99	70 ° 54.27	13969.4 \ 44313.4	C23
	Cowen Rocks	31 to 60	September 10 - 12	42 ° 13.99	70 ° 44.32	13969.3 \ 44220.7	C24
	Nantasket Beach	31 to 60	September 10 - 12	42 ° 17.17	70 ° 51.37	13999.0 \ 44252.1	C25
	Nahant Beach	61 to 90	September 11 - 13	42 ° 26.75	70 ° 53.13	13963.2 \ 44310.0	C26
	N of Cohasset	61 to 90	September 10 - 12	42 ° 18.50	70 ° 47.99	13970.9 \ 44253.6	C27
	SW Breakers	91 to 120	September 11 - 13	42 ° 26.63	70 ° 50.37	13945.8 \ 44304.2	C28
	NE of Graves Light	91 to 120	September 11 - 13	42 ° 23.17	70 ° 49.09	13954.8 \ 44282.4	C29
	SW of Gloucester Harbor	91 to 120	September 11 - 15	42 ° 32.84	70 ° 43.53	13870.0 \ 44325.7	C30
	SE of Marblehead Neck	121 to 180	September 11 - 13	42 ° 28.27	70 ° 46.27	13910.9 \ 44305.6	C17
	SE of Marblehead Neck	121 to 180	September 11 - 13	42 ° 27.49	70 ° 48.72	13930.8 \ 44305.8	C18
	SE Halfway Rock	121 to 180	September 11 - 13	42 ° 28.08	70 ° 43.50	13894.1 \ 44299.4	C19
	Shipping Lanes	121 to 180	September 10 - 12	42 ° 19.49	70 ° 42.43	13930.5 \ 44249.2	C20
	W of Dumping Ground	181 +	September 14 - 16	42 ° 25.54	70 ° 39.84	13883.9 \ 44278.5	C21
	NW of Dumping Ground	181 +	September 14 - 16	42 ° 28.45	70 ° 37.91	13856.8 \ 44291.1	C22

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

Massachusetts Division of Marine Fisheries September 2009 Fall Trawl Survey
Station Locations Cape Cod Bay and East of Cape Cod

Area Description	General Description	Depth	Range of Dates	Latitude	Longitude	Loran	ID
Western Cape Cod Bay	Humarock	0 to 30	September 10 - 12	42 ° 08.88	70 ° 41.35	13974.5 \ 44185.6	B1
	Scorton Ledge	0 to 30	September 8 - 11	41 ° 45.19	70 ° 25.67	13986.9 \ 44016.7	B2
	Plymouth Bay	0 to 30	September 8 - 10	41 ° 58.54	70 ° 36.04	13990.0 \ 44114.9	B3
	ENE of Scorton Creek	31 to 60	September 8 - 11	41 ° 44.91	70 ° 23.08	13972.7 \ 44011.1	B7
	SE of Center Hill Point	31 to 60	September 8 - 10	41 ° 51.11	70 ° 29.42	13983.0 \ 44058.8	B8
	NW of Sesuit Harbor	31 to 60	September 8 - 11	41 ° 46.49	70 ° 12.12	13900.0 \ 44004.3	B9
	Sagamore Beach	31 to 60	September 8 - 10	41 ° 47.87	70 ° 29.13	13995.8 \ 44038.3	B10
	E of Ellisville	61 to 90	September 8 - 10	41 ° 50.90	70 ° 26.78	13968.2 \ 44053.5	B11
	NE of Green Harbor	61 to 90	September 10 - 12	42 ° 06.26	70 ° 34.70	13945.5 \ 44158.6	B12
	N of Sandy Neck	61 to 90	September 8 - 11	41 ° 49.04	70 ° 17.69	13922.1 \ 44028.1	B13
	N of Sandy Neck	61 to 90	September 8 - 11, 14 - 17	41 ° 49.75	70 ° 21.24	13940.0 \ 44037.8	B14
	SW of Fishing Ledge	91 to 120	September 14 - 16	41 ° 54.13	70 ° 21.12	13919.5 \ 44064.0	B15
	SE of Manomet	91 to 120	September 14 - 16	41 ° 53.28	70 ° 24.03	13940.7 \ 44063.6	B16
	SE of Manomet	91 to 120	September 8 - 10	41 ° 54.34	70 ° 27.01	13954.0 \ 44074.7	B17
	NE of Gurnet Point	121 to 180	September 10 - 12	42 ° 03.83	70 ° 28.76	13920.5 \ 44130.4	B4
	NE of Manomet Point	121 to 180	September 14 - 16	42 ° 00.47	70 ° 25.51	13916.5 \ 44109.1	B5
	NE of Manomet Point	121 to 180	September 8 - 10	41 ° 57.54	70 ° 26.95	13938.9 \ 44093.9	B6
Eastern Cape Cod Bay	Billingsgate Shoal	0 to 30	September 8 - 11	41 ° 50.19	70 ° 09.99	13871.4 \ 44023.4	B18
	East P'town Harbor	0 to 30	September 15 - 17	42 ° 02.20	70 ° 06.55	13794.4 \ 44089.0	B19
	W of Billingsgate Shoal	31 to 60	September 8 - 11	41 ° 51.00	70 ° 10.60	13871.3 \ 44029.2	B26
	W of Jeremy Point	31 to 60	September 15 - 17	41 ° 53.35	70 ° 08.43	13847.8 \ 44040.0	B27
	W of Pamet River	31 to 60	September 15 - 17	41 ° 59.85	70 ° 06.54	13805.8 \ 44075.3	B28
	W of Griffin Island	61 to 90	September 15 - 17	41 ° 55.92	70 ° 08.62	13836.8 \ 44055.5	B29
	W of Billingsgate Shoal	61 to 90	September 8 - 11	41 ° 51.80	70 ° 14.36	13889.7 \ 44039.6	B30
	W of Pamet River	61 to 90	September 15 - 17	41 ° 59.89	70 ° 08.99	13820.0 \ 44079.4	B31
	E of Fishing Ledge	91 to 120	September 15 - 17	41 ° 56.87	70 ° 12.47	13855.0 \ 44066.9	B32
	SE of Fishing Ledge	91 to 120	September 15 - 17	41 ° 54.08	70 ° 13.79	13876.0 \ 44052.5	B33
	SE of Fishing Ledge	91 to 120	September 8 - 11	41 ° 52.10	70 ° 15.69	13896.5 \ 44043.5	B34
	Herring Cove, P'town	121 to 180	September 15 - 17	42 ° 02.13	70 ° 14.71	13843.3 \ 44101.4	B20
	SW of Wood End	121 to 180	September 15 - 17	41 ° 58.90	70 ° 15.54	13863.7 \ 44083.7	B21
	SW of Wood End	121 to 180	September 15 - 17	42 ° 00.21	70 ° 13.09	13842.9 \ 44087.5	B22
	W of Race Point	181 +	September 14 - 16	42 ° 06.88	70 ° 20.21	13853.6 \ 44138.0	B23
	W of Race Point	181 +	September 16 - 18	42 ° 03.09	70 ° 16.44	13849.3 \ 44109.8	B24
	W of Race Point	181 +	September 14 - 16	42 ° 06.95	70 ° 22.55	13867.7 \ 44142.2	B25
East of Cape Cod	Peaked Hill Bar	0 to 30	September 16 - 18	42 ° 04.12	70 ° 06.04	13782.2 \ 44099.3	A1
	Peaked Hill Bar	0 to 30	September 16 - 18	42 ° 05.34	70 ° 09.90	13799.3 \ 44112.4	A2
	SE of Chatham Inlet	31 to 60	September 17 - 19	41 ° 37.16	69 ° 54.04	13838.1 \ 43921.5	A6
	Newcomb Hollow	31 to 60	September 17 - 19	41 ° 59.22	69 ° 59.63	13768.3 \ 44061.2	A7
	E of Pochet	31 to 60	September 17 - 19	41 ° 45.45	69 ° 54.79	13804.9 \ 43972.9	A8
	E Nauset Beach	61 to 90	September 17 - 19	41 ° 52.80	69 ° 55.81	13776.6 \ 44017.9	A9
	E of Ballston Beach	61 to 90	September 17 - 19	42 ° 00.31	69 ° 59.71	13763.4 \ 44067.7	A10
	SE of Ballston Beach	91 to 120	September 17 - 19	41 ° 47.76	69 ° 52.61	13781.7 \ 43988.5	A11
	N of Peaked Hill Bar	91 to 120	September 16 - 18	42 ° 05.94	70 ° 07.65	13782.9 \ 44112.2	A12
	E of Coast Guard Beach	91 to 120	September 17 - 19	41 ° 50.14	69 ° 53.44	13775.5 \ 43999.0	A13
	N of Highland Light	121 to 180	September 16 - 18	42 ° 05.42	70 ° 02.36	13754.0 \ 44101.0	A3
	N of Race Point	121 to 180	September 16 - 18	42 ° 07.34	70 ° 13.47	13810.7 \ 44125.6	A4
	E of Nauset Inlet	121 to 180	September 17 - 19	41 ° 49.97	69 ° 52.64	13771.4 \ 43996.8	A5

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**Massachusetts
Division of Marine Fisheries
Fall Trawl Survey
Planned Tows: September 2009
Massachusetts Bay to
New Hampshire**

New Hampshire

