

## **SPRING 2005 ESOURCE ASSESSMENT TRAWL SURVEY**

The Marine Fisheries trawl survey provides information for many uses including environmental reviews and groundfish assessments. It is critical to the integrity of the survey that we maintain access to sampling sites. Because of admirable cooperation during the last several years from fixed gear fishermen, we have accomplished our sampling goals and avoided costly gear conflicts.

We ask that all fixed gear fishermen review the attached table of station location details and the accompanying figure, which plots the general locations of all selected sample sites. We request that all fixed gear be kept clear of station locations (1.5 n. mi. diameter circle - center point reported in table) for the indicated periods. We will make every attempt to complete stations during the assigned period to minimize inconvenience to fixed gear fishermen. Fishermen can contact the R/V Gloria Michelle on VHF channels 13 or 16 to determine the updated daily schedule. In the event of a delay due to weather, we will resume our schedule as soon as working conditions are safe.

As reported in the past, the DMF Director 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 dates stipulated. It remains our hope that this action will be unnecessary.

Personnel aboard the NOAA R/V Gloria Michelle (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. Undertaken at 2.5 knots, twenty-minute tows 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).

# MASS. DIVISION OF MARINE FISHERIES 2005 SPRING TRAWL SURVEY STATIONS



Massachusetts Division of Marine Fisheries - 2005 Spring Trawl Survey Station Locations  
North and East of Cape Cod

General Location	General Description	Depth	Range of Dates	Center of Tow Area		
				Latitude	Longitude	Loran *
East of Cape Cod	E of Monomoy	0-30'	16-18 May	41°35.0'	69°56.5'	13863.1/43914.3
	E Shore Wellfleet	0-30'	16-18 May	41°53.6'	69°57.3'	13782.7/44027.3
	E of Chatham	31-60'	16-18 May	41°38.4'	69°53.8'	13832.5/43931.6
	Peaked Hill Bar	31-60'	16-18 May	42°05.0'	70°07.5'	13787.7/44108.7
	E of Nauset Beach	61-90'	16-18 May	41°41.4'	69°52.2'	13810.4/43947.3
	E of Nauset Light	61-90'	16-18 May	41°52.7'	69°55.7'	13778.0/44019.4
	E of Highland Lt	91-120'	16-18 May	42°03.1'	70°01.0'	13758.8/44087.7
	E of Nauset Harbor	91-120'	16-18 May	41°48.4'	69°52.9'	13781.4/43989.9
	NE of Highland Lt	121-180'	16-18 May	42°05.5'	70°03.1'	13760.0/44104.7
N of P-town Airport	121-180'	16-18 May	42°06.7'	70°13.9'	13818.3/44129.2	
Cape Cod Bay	Scorton Neck	0-30'	9-17 May	41°44.8'	70°23.9'	13979.2/44014.1
	Warren Cove	0-30'	9-17 May	41°57.3'	70°36.9'	14002.3/44111.1
	N of Barnstable Hbr.	31-60'	9-17 May	41°47.3'	70°15.1'	13916.1/44016.1
	E of Scorton Ledge	31-60'	9-17 May	41°45.7'	70°23.7'	13974.3/44019.3
	Sagamore Beach	31-60'	9-17 May	41°49.1'	70°29.7'	13995.3/44049.5
	E of Plymouth Bay	61-90'	9-17 May	41°58.3'	70°33.1'	13974.7/44110.5
	E of Farnham Rock	61-90'	9-17 May	42°06.7'	70°34.0'	13940.9/44162.0
	Stone Horse Rock	61-90'	9-17 May	41°54.8'	70°29.7'	13969.5/44084.4
	N of Sandy Neck	61-90'	9-17 May	41°50.1'	70°18.8'	13925.4/44038.2
	SW of Fishing Ledge	91-120'	9-17 May	41°54.3'	70°22.1'	13926.3/44069.0
	E of Manomet	91-120'	9-17 May	41°55.7'	70°26.9'	13948.5/44084.9
	E of Duxbury	91-120'	9-17 May	42°03.6'	70°33.8'	13953.9/44143.9
	W of Fishing Ledge	121-180'	9-17 May	41°56.5'	70°20.5'	13906.3/44080.0
	E of Duxbury	121-180'	9-17 May	42°03.4'	70°26.7'	13911.3/44130.7
	E of Duxbury	121-180'	9-17 May	42°03.3'	70°30.5'	13935.4/44136.7
	S of Billingsgate	0-30'	9-17 May	41°49.6'	70°06.3'	13853.7/44016.2
	W of Great Island	31-60'	9-17 May	41°53.7'	70°08.3'	13846.5/44044.1
	N of Sesuit Hbr.	31-60'	9-17 May	41°46.9'	70°10.1'	13888.3/44005.6
	W of Billingsgate	61-90'	9-17 May	41°51.3'	70°14.9'	13897.0/44039.6
	E of Griffin Island	61-90'	9-17 May	41°55.9'	70°09.4'	13843.1/44058.9
	S of Wood End	91-120'	9-17 May	41°59.4'	70°11.7'	13839.5/44083.2
	S of Provincetown	91-120'	9-17 May	41°57.5'	70°09.7'	13836.9/44068.7
	Outer Cape Cod Bay	121-180'	9-17 May	42°04.7'	70°25.8'	13899.8/44136.7
	SW of Wood End	121-180'	9-17 May	41°59.4'	70°16.0'	13865.7/44089.6
W of Race Point	180'+	9-17 May	42°04.0'	70°17.9'	13855.4/44119.6	
Outer Cape Cod Bay	180'+	9-17 May	42°06.0'	70°26.2'	13896.0/44145.1	
NW of Race Point	180'+	9-17 May	42°06.4'	70°18.1'	13844.8/44134.1	
Cape Ann and North	N of Castle Neck	0-30'	14-15 May	42°42.7'	70°45.2'	13829.8/44383.7
	Ipswich Bay	0-30'	14-15 May	42°40.9'	70°42.5'	13822.2/44368.6
	Ipswich Bay	31-60'	14-15 May	42°41.0'	70°40.9'	13810.6/44366.4
	E of Salisbury Beach	61-90'	14-15 May	42°50.9'	70°47.4'	13799.1/44430.2
	E of Plum Island	61-90'	14-15 May	42°46.6'	70°44.4'	13803.1/44402.3
	N of Ipswich Bay	91-120'	14-15 May	42°43.2'	70°41.1'	13800.7/44378.4
	NW of Halibut Point	91-120'	14-15 May	42°42.3'	70°38.7'	13789.7/44369.4
	E of Eastern Point	121-180'	13-15 May	42°35.1'	70°36.8'	13816.0/44327.2
	NE of Halibut Point	121-180'	14-15 May	42°42.3'	70°35.3'	13767.9/44362.9
	N of Halibut Point	121-180'	14-15 May	42°44.3'	70°38.6'	13778.4/44379.6
	E of Thacher Island	180'+	13-15 May	42°38.1'	70°31.7'	13767.6/44333.6
E of Dry Salvages	180'+	13-15 May	42°40.2'	70°30.6'	13749.0/44343.2	

Mass Bay	Nahant Bay	0-30'	11-13 May	42°27.0'	70°55.1'	13975.5/44317.2
	Off Lynn Harbor	0-30'	11-13 May	42°24.7'	70°57.5'	14002.6/44308.7
	Harding Ledge	31-60'	11-13 May	42°18.1'	70°50.7'	13991.3/44258.1
	N of Cohasset	31-60'	11-13 May	42°17.9'	70°47.2'	13970.0/44250.5
	Off Lynn Harbor	31-60'	11-13 May	42°24.6'	70°56.2'	13994.4/44305.7
	3 1/2 Fathom Ledge	61-90'	11-13 May	42°20.7'	70°50.2'	13975.2/44272.1
	Egg Rock	61-90'	11-13 May	42°26.3'	70°53.2'	13966.7/44309.7
	E of Nahant	91-120'	11-13 May	42°25.4'	70°50.0'	13949.9/44298.4
	SE of Halfway Rock	91-120'	13-15 May	42°29.2'	70°45.9'	13904.5/44312.1
	SE of Great Egg Rk.	91-120'	13-15 May	42°32.9'	70°43.6'	13871.4/44327.8
	Outer MA Bay/Dump	121-180'	12-15 May	42°22.6'	70°41.7'	13911.3/44267.5
	W of Sat. Night L.	121-180'	13-15 May	42°31.1'	70°42.8'	13875.4/44316.7
	Outer Mass Bay	121-180'	13-15 May	42°28.0'	70°43.6'	13896.3/44301.3
	NE of Cohasset	121-180'	12-15 May	42°19.8'	70°42.4'	13929.7/44252.8
	SE of Sat. Night L.	180'+	13-15 May	42°29.6'	70°39.3'	13861.1/44301.9
	Outer Mass Bay	180'+	13-15 May	42°28.0'	70°38.1'	13861.0/44291.1

\* Loran coordinates converted by plotter software without local correction factor.  
Please refer to Lat/Long. For best accuracy.