

# SEAMAP 2007 Groundfish Survey Cruise Report

## Cruise 0704

### Introduction

SEAMAP Summer Shrimp and Groundfish cruises are conducted to provide fishery-independent monitoring assessment and shrimp abundance and location information essential to management of Mississippi and nearshore FMZ Gulf of Mexico fisheries resources in a coordinated and cost-efficient program. Fishery-independent information is that collected without direct reliance on statistics reported by commercial or recreational fishermen.

### Objectives

1. Conduct a summer trawl survey to collect information on shrimp and groundfish abundance and distribution with standard SEAMAP 40-ft. trawls.
2. Select stations from NMFS generated charts of SEAMAP station location east of the Mississippi River for random sampling. All species are identified, weighed and counted, and measured according to NMFS SEAMAP Operations Manual.
3. Collect information on environmental parameters (salinity, temperature, dissolved oxygen, wind speed and direction, wave height, precipitation) in conjunction with trawl sampling.
4. Submit data to the Gulf States Marine Fisheries commission/NMFS Data Manager.

### Methods

All trawl samples were collected aboard the R/V TOMMY MUNRO. 24 trawls samples were collected from 10/10 – 10/13/07. A 40 ft. trawl with 1.58 inch stretched mesh was lowered into position at the selected site. Trawl towing was conducted at or near 3 knots for a minimum of 10 to 30 minutes after lockdown and towed across the appropriate strata. Sample workup and data procession was conducted in accordance with the NMFS SEAMAP Operations Manual guidelines. Data was entered and checked with the NMFS SEAMAP Data Entry Database.

Environmental data were collected in conjunction with each trawl. Temperature, dissolved oxygen, and salinity values were measured.

### Results

Mississippi collected 24 trawl samples during the fall 2007 Groundfish cruise.

**Deviations**

No Significant deviation from protocol was noted.

**Submitted By:**

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Richard Waller  
SEAMAP Field Party Chief

**Date      Pasc. #      SEAMAP #      Lat.      Long.**

10/10/2007	17001	ed16	2922.24	08847.69
10/10/2007	17002	ed06	2923.08	08854.86
10/10/2007	17003	ed05	2927.54	08849.44
10/10/2007	17004	ed09	2933.01	08838.62
10/10/2007	17005	ed18	2932.05	08830.82
10/11/2007	17006	en16	2919.48	08851.72
10/11/2007	17007	en12	2922.45	08848.80
10/11/2007	17008	en09	2926.89	08845.21
10/11/2007	17009	en14	2927.21	08841.73
10/11/2007	17010	en17	2926.52	08840.76
10/11/2007	17012	ED15	2943.63	08827.19
10/11/2007	17013	ED14	2952.18	08823.97
10/11/2007	17014	ED10	2958.17	08832.39
10/11/2007	17016	EN06	3004.60	08829.50
10/12/2007	17017	EN15	2947.38	08824.06
10/12/2007	17018	EN13	2944.76	08830.40
10/12/2007	17019	EN08	2938.07	08835.17
10/12/2007	17020	EN11	2934.36	08835.33
10/12/2007	17021	ED26	2947.08	08850.73
10/13/2007	17022	EN03	2942.16	08846.95
10/13/2007	17023	EN02	2939.61	08850.75
10/13/2007	17024	EN07	2957.84	08838.58
10/13/2007	17025	EN10	2958.70	08832.90
10/13/2007	17026	EN01	3003.33	08849.57
10/13/2007	17027	ED04	3008.23	08841.28