

**Center for Fisheries Research & Development
Gulf Coast Research Laboratory
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SEAMAP Fall Groundfish Survey
R/V Tommy Munro, Cruise 0807

Introduction

The Fall Groundfish Survey occurred during November 2008, with the only collections taken on the of November due to inclement weather. Two trawl stations were sampled to the east of the Chandeleur Island chain off southeastern Louisiana.

Objectives

- Conduct fall trawl survey at randomly-selected stations (locations of which are provided by NMFS) with standard SEAMAP 40-ft trawls to collect information on shrimp and groundfish abundance and distribution.
- Process all species (identified to the species level) collected by 40-ft trawl using the FSCS software for total number and total weight. Process individual lengths and weights, sampled (or sub-sampled) by species, using FSCS software according to NMFS SEAMAP Operations Manual.
- Collect information on physical-chemical and environmental parameters in conjunction with trawl sampling and process those using SCS software.
- Submit data to the Gulf States Marine Fisheries commission/NMFS Data Manager.

Methods

All trawl samples were collected aboard the *R/V Tommy Munro*. Two trawl samples were collected on November 19, 2008. A 40 ft. trawl with 1.58 inch stretched mesh was lowered into position at selected stations, and the towline was set at a 3.5:1 cable length to water depth ratio. Trawling was conducted at or near 3 knots for a period of 10 to 30 minutes after lockdown in order to sample the appropriate depth stratum. Sample and data processing was conducted in accordance with the SEAMAP Operations Manual. Data were entered using the Fisheries Scientific Computer System. Environmental data were collected in conjunction with each trawl. Temperature, dissolved oxygen, and salinity values were measured and recorded, along with meteorological conditions.

Results

Due to inclement weather, only two trawl samples were collected east of the Chandeleur Island chain. Location and catch data are presented in Tables 1 and 2, respectively.

Deviations

There were no deviations from standard SEAMAP protocol.

Cruise participants
USM/GCRL/CFRD

Submitted By:

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Table 1. Stations sampled during R/V Tommy Munro Cruise 0807, November 2008.

Station	No.	Date	Latitude N	Longitude W	Depth (fm)	Gears	Notes
001	ED27	11/19/08	30° 02.20'	88° 49.07'	3.9	Trawl	n/a
002	ED10	11/19/08	29° 50.39'	88° 33.85'	6.1	Trawl	n/a

Table 2. Species captured in 40-ft trawls during R/V Tommy Munro Cruise 0807, November 2008. (n = 23).

Species	Total Number	Total Weight (kg)
<i>Anchoa hepsetus</i>	28	0.341
<i>Anchoa lyolepis</i>	3	0.003
<i>Anchoa mitchilli</i>	14	0.017
<i>Arius felis</i>	1	0.009
<i>Callinectes similis</i>	1	0.049
<i>Chloroscombrus chrysurus</i>	2	0.024
<i>Cynoscion arenarius</i>	13	3.337
<i>Cynoscion nothus</i>	1	0.002
<i>Harengula jaguana</i>	2	0.228
<i>Lagodon rhomboides</i>	4	0.404
<i>Larimus fasciatus</i>	2	0.447
<i>Leiostomus xanthurus</i>	1	0.241
<i>Lolliguncula brevis</i>	1	0.003
<i>Luidia clathrata</i>	1	0.029
<i>Micropogonias undulatus</i>	243	26.913
<i>Narcine brasiliensis</i>	1	0.388
<i>Penaeus aztecus</i>	22	0.256
<i>Penaeus setiferus</i>	24	1.226
<i>Prionotus longispinosus</i>	1	0.127
<i>Selene setapinnis</i>	2	0.011
<i>Selene vomer</i>	1	0.076
<i>Synodus foetens</i>	1	0.320
<i>Trichiurus lepturus</i>	6	1.415