

Center for Fisheries Research & Development - Gulf Coast Research Laboratory
University of Southern Mississippi
SEAMAP Summer Shrimp/Groundfish Survey, R/V Tommy Munro - Cruise 1202

Introduction - The Mississippi Summer Shrimp/Groundfish Survey was conducted from May 29 through May 31, 2012. A total of 17 trawl stations were sampled following the revised trawl protocol of a 30-minute (bottom) tow time and no day/night designations for stations.

Objectives

- Conduct summer shrimp and groundfish survey in East Delta region 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 the 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*. 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 30 minutes after lockdown. 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 – An expanded total of 1,321 kg of biota was collected in 17 trawl samples. Time, location, depth and total catch data are given in Table 1. All data will be filed appropriately with the Gulf States Marine Fisheries Commission.

Deviations - There were no deviations from standard SEAMAP protocol.

Cruise Participants - USM/GCRL/CFRD

Submitted By:



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Table 1. Time, location and depth data for 40-ft trawl samples collected aboard *R/V Tommy Munro*, SEAMAP Cruise Number 1202, May 29-31, 2012.

Station	Cruise	SEAMAP Station	Start Date - Time	Bottom Time	Start Depth	Start Latitude	Start Longitude	Total Catch (kg)
17001	1202	E1116	05/29/2012-12:46:21	30.18	5.5	2903.715N	08855.116W	52.78
17002	1202	E1113	05/29/2012-18:04:49	30.03	41.0	2908.011N	08851.985W	50.14
17003	1202	E1115	05/29/2012-21:36:02	30.03	46.0	2906.625N	08846.570W	50.59
17004	1202	E1114	05/30/2012-00:40:02	30.00	54.0	2907.701N	08839.233W	33.90
17005	1202	E1112	05/30/2012-03:19:57	30.03	35.0	2915.182N	08846.731W	68.91
17006	1202	E1111	05/30/2012-07:22:43	30.48	35.0	2919.483N	08817.472W	107.01
17007	1202	E1110	05/30/2012-10:50:41	30.03	27.0	2929.345N	08828.100W	145.06
17008	1202	E1108	05/30/2012-15:08:42	30.13	19.0	2946.376N	08815.975W	140.33
17009	1202	E1109	05/30/2012-17:04:36	30.02	19.0	2943.892N	08809.852W	3.77
17010	1202	E1007	05/30/2012-20:14:13	30.03	19.0	2946.524N	08746.827W	1.49
17013	1202	E1107	05/31/2012-03:05:50	30.00	16.0	2957.010N	08819.360W	311.53
17014	1202	E1106	05/31/2012-05:41:16	30.37	15.0	2959.011N	08825.452W	301.13
17015	1202	E1103	05/31/2012-07:53:44	30.25	10.1	3007.082N	08812.349W	26.50
17016	1202	E1102	05/31/2012-11:03:26	30.00	10.6	3007.509N	08815.985W	9.45
17017	1202	E1104	05/31/2012-13:20:00	30.02	10.4	3004.767N	08820.243W	3.03
17018	1202	E1105	05/31/2012-15:02:07	30.00	9.4	3004.716N	08826.115W	10.90
17019	1202	E1101	05/31/2012-16:50:11	30.05	7.0	3009.269N	08835.009W	4.53