

GULF STATES MARINE  
FISHERIES COMMISSION

DEC 12 1996

*State of Louisiana*



James H. Jenkins, Jr.  
Secretary

Department of Wildlife and Fisheries  
Post Office Box 98000  
Baton Rouge, LA 70898-9000  
(504)765-2800

M.J. "Mike" Foster  
Governor

December 10, 1996

Dave Donaldson, SEAMAP Coordinator  
Gulf States Marine Fisheries Commission  
P.O. Box 726  
Ocean Springs, MS 39564

Dear Dave:

Enclosed please find the cruise log and report for Louisiana SEAMAP Cruise 963 (December 2-5, 1996). Samples were taken aboard the chartered LUMCON vessel R/V Pelican. The scientific party for the trip consisted of Marc Fugler (chief scientist); Jason Duet and Jill Wisniewski (scientific watch leaders); Jim Hanifen, Terry Romaire, Martin Plonsky, Julia Lightner and Jill Dzuryachko (scientific crew). The vessel crew consisted of a captain, mate, engineer, 3 deckhands, and a cook.

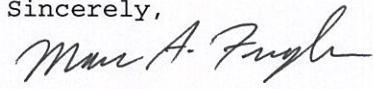
Normal cruise plans call for collection of CSTD/water and shrimp/bottomfish samples (nekton) from 24 stations at 12 locations. Two nekton samples (one during daylight and the other during the night) are to be taken at each location within a 24 hour period. A 'D' in the SEAMAP station number indicates a daylight station and an 'N' indicates a nighttime station. Organisms at nekton stations are sampled with a 40 foot SEAMAP trawl. Zooplankton is not sampled at nekton stations. Normal cruise plans call for zooplankton sampling to be done at 7 stations (indicated by 'P') during daylight hours with a 60 cm bongo net and a 2x1 m neuston net.

Cruise 963 was scheduled for December 2-5, 1996 and completed at this time. Nekton and zooplankton stations were located off the central Louisiana coast between longitudes 89°30' West and 91°30' West and between depths of 5 and 20 fathoms. Twenty-four nekton stations (12 locations) were completed on this cruise. All seven zooplankton stations were sampled for Cruise 963.

All bongo and 6 of 7 neuston samples were obtained at all zooplankton stations sampled. CSTD/water samples were taken at all stations sampled. All twelve sediment samples were taken with a sediment grab at nekton station locations.

The enclosed log sheets give further detail of the work done at each station on Cruise 963. Please call me at (504) 765-2390 if you need further information.

Sincerely,



Marc A. Fugler  
Senior Field Biologist

Enclosures

## CRUISE REPORT FORM

VES

CRUISE

DATA  
SOURCE

35

963

LA

TELEPHONE

CONTACT-PERSON FOR CRUISE REPORT

AREA CODE

NUMBER

MARC FUGLER

(504) 765 - 2390

CRUISE REPORT TITLE

LA WINTER SEAMAP CRUISE 963

DATA VERIFICATION DATE

DATA VERIFIER NAME

MARC FUGLER

MONTH

DAY

YEAR

12 / 10 / 96

# SEAMAP CRUISE LOG

AGENCY LA Dept. of Wildlife and Fisheries

SUBMITTER: Marc Fugler

VESSEL: R/V Pelican

CRUISE: LA 963

DATE: 12-10-96

TELEPHONE: (504) 765-2390

CRUISE DATE: 12/2 - 12/5, 1996

| PASCAGOULA STA. NO. | SEAMAP STA. NO. | COORDINATES |      |           |           |                  |            |            | CHEMISTRY   |              |      |           |    |     |       |
|---------------------|-----------------|-------------|------|-----------|-----------|------------------|------------|------------|-------------|--------------|------|-----------|----|-----|-------|
|                     |                 | DATE        | TIME | LATITUDE  | LONGITUDE | WATER DEPTH (FM) | TRAWL SIZE | SHRIMP L/F | GENERAL L/F | PLANKTON TOW | ENV. | WATER SAL | DO | CHL | OTHER |
| 37429               | P103            | 12-2-96     | 1202 | 29° 00.09 | 90° 30.05 | 5                | /          | /          | /           | ✓            | ✓    | ✓         | ✓  | ✓   | T     |
| 37430               | P104            | 12-2-96     | 1530 | 29° 00.01 | 89° 59.49 | 12               | /          | /          | /           | ✓            | ✓    | ✓         | ✓  | ✓   | T     |
| 37431               | D688            | 12-2-96     | 1700 | 29° 04.61 | 89° 54.49 | 12               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T/S   |
| 37432               | N688            | 12-2-96     | 1837 | 29° 04.76 | 89° 54.42 | 12               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T     |
| 37433               | N693            | 12-2-96     | 2026 | 29° 02.26 | 89° 45.84 | 19               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T     |
| 37434               | N683            | 12-2-96     | 2243 | 29° 09.02 | 89° 34.41 | 6                | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T     |
| 37435               | N684            | 12-2-96     | 2348 | 29° 07.54 | 89° 34.81 | 7                | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T     |
| 37436               | P105            | 12-3-96     | 0700 | 29° 00.09 | 89° 29.98 | 7                | /          | /          | /           | ✓            | ✓    | ✓         | ✓  | ✓   | T     |
| 37437               | D683            | 12-3-96     | 0855 | 29° 09.04 | 89° 34.49 | 6                | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T/S   |
| 37438               | D684            | 12-3-96     | 0955 | 29° 07.80 | 89° 34.78 | 7                | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T/S   |
| 37439               | D693            | 12-3-96     | 1153 | 29° 02.01 | 89° 46.33 | 19               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T/S   |
| 37440               | D682            | 12-3-96     | 1629 | 28° 39.89 | 90° 20.89 | 14               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T/S   |
| 37441               | N682            | 12-3-96     | 1812 | 28° 39.94 | 90° 20.84 | 14               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T     |
| 37442               | N692            | 12-3-96     | 2053 | 28° 30.95 | 90° 38.10 | 18               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T/S   |
| 37443               | N689            | 12-3-96     | 2247 | 28° 33.34 | 90° 45.70 | 13               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T/S   |
| 37444               | N691            | 12-4-96     | 2400 | 28° 30.61 | 90° 49.15 | 17               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T/S   |
| 37445               | P107            | 12-4-96     | 0710 | 28° 29.94 | 90° 30.06 | 20               | /          | /          | /           | ✓            | ✓    | ✓         | ✓  | ✓   | T     |
| 37446               | D692            | 12-4-96     | 0836 | 28° 30.94 | 90° 38.15 | 18               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T     |
| 37447               | D689            | 12-4-96     | 1017 | 28° 33.09 | 90° 45.96 | 13               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T     |
| 37448               | D691            | 12-4-96     | 1129 | 28° 30.55 | 90° 49.47 | 17               | 40         | ✓          | ✓           | /            | ✓    | ✓         | ✓  | ✓   | T     |

## **SEAMAP CRUISE LOG**

AGENCY LA Dept. of Wildlife and Fisheries

DATE: 12-10-96

SUBMITTER: Marc Fugler

TELEPHONE: (504) 765-2390

VESSEL: R/V Pelican CRUISE: LA 9

CRUISE: LA 963

**CRUISE DATE:** 12/2 - 12/5, 1996