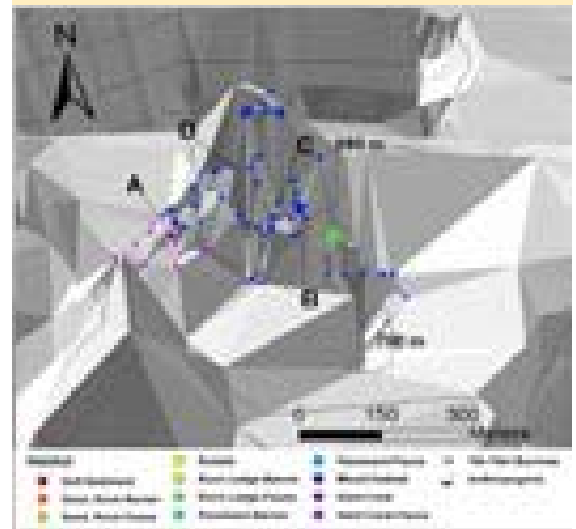


**DIVE NUMBER: JSLI-4698****STUDY AREA: Stetson Banks****STATION OVERVIEW**

|                                    |   |
|------------------------------------|---|
| <b>Project</b>                     | Life on the Edge 2004   |
| <b>Principal investigators</b>     | SW Ross <sup>1</sup><br>KJ Sulak, MS Nizinski, E Baird  |
| <b>PI Contact Info<sup>1</sup></b> | Center for Marine Science, 5600 Marvin Moss Ln., Wilmington, NC 28409   |
| <b>Purpose</b>                     | Mapping of deep coral banks, ecological studies of macroinvertebrates and fishes, paleoclimate studies, coral genetics and educational outreach |
| <b>Vessel</b>                      | R/V Seward Johnson, Johnson Sea Link I Submersible  |
| <b>Science Divers</b>              | SW Ross (bow), G Yeargin (stern)  |
| <b>External Video Tapes</b>        | 2 mini DVs, 2 HDs   |
| <b>Internal Video Tapes</b>        | 4 mini DVs  |
| <b>Digital Still Photos</b>        | 0   |
| <b>Positioning System</b>          | dGPS  |
| <b>CTD File</b>                    | <input checked="" type="checkbox"/>   |
| <b>Specimens Collected</b>         | <input checked="" type="checkbox"/>   |
| <b>Other</b>                       | Hard copy of stern audio log  |
| <b>Acknowledgements</b>            | NOAA-OE, NOAA Fisheries, USGS, UNCW, NC Museum of Natural Sciences  |
| <b>SEADESC Analyst</b>             | AM Necaie, ML Partyka   |
| <b>Date Compiled</b>               | 11/16/2006  |

**GENERAL LOCATION****Dive Track:****DIVE DATA**

|                                 |             |
|---------------------------------|-------------|
| <b>Date</b>                     | 18-Jun-04   |
| <b>Minimum Bottom Depth (m)</b> | 660         |
| <b>Maximum Bottom Depth (m)</b> | 703         |
| <b>Start Bottom Time (EDT)</b>  | 9:42        |
| <b>End Bottom End (EDT)</b>     | 11:31       |
| <b>Starting Latitude (N)</b>    | 31° 49.454' |
| <b>Starting Longitude (W)</b>   | 77° 36.693' |
| <b>Ending Latitude (N)</b>      | 31° 49.561' |
| <b>Ending Longitude (W)</b>     | 77° 36.788' |
| <b>Surface Current (Kts)</b>    |             |
| <b>Bottom Current (Kts)</b>     |             |

**Image A: Hard Coral**

31° 49.542' N, 77° 36.828' W



## DIVE NUMBER: JSLI-4698

## STUDY AREA: Stetson Banks

### IMAGE GALLERY

\* indicates image position is approximated

#### Image B: Mixed Habitat

31° 49.524' N, 77° 36.762' W



#### Image C: Mixed Habitat

31° 49.530' N, 77° 36.738' W



#### Image D: Mixed Habitat

(No Position Available)



### RELEVANT WORK AND/OR LITERATURE CITED

Stetson (1961)  
Stetson et al. (1962)  
EEZ-SCAN 87 Scientific Staff (1991)  
Reed (2002)  
Reed and Ross (2005)  
Reed et al. (2006)  
Williams et al. (2006)  
Williams et al. (in press)  
Ross and Nizinski (in press)

### BIOLOGICAL ENVIRONMENT

Several fishes were seen throughout this area. *Laemonema melanurum* was most abundant and observed throughout all habitats. Other fishes observed included *Nezumia sclerorhynchus* and *Trachyscorpia cristulata*. Sessile invertebrates were diverse and common and included several species of antipatharians, isidids, alcyonaceans, and scleractinians. Mobile invertebrates observed included galatheids and *Bathynectes longispina*.

### PHYSICAL ENVIRONMENT

Four habitat types were observed during this dive: 1) mixed coral community, 2) rock ledges with attached fauna, 3) coral rubble, and 4) sand and coral rubble with attached fauna. Habitats in this entire area were patchy, and the four habitats were intermittently observed. The mixed community consisted of antipatharians, isidids, cup corals, alcyonaceans, and isolated colonies of *Lophelia pertusa* and *Enallopsammia* spp. Corals in this mixed community were attached to coral rubble and sand/coral rubble substrate, and this substrate was generally overlain with a crustose sediment layer. Rock ledges were of fairly low profile (< 1m) and also had mixtures of corals attached.

### ADDITIONAL COMMENTS

This dive was captured on 2 mini DVs and archived on 2 DVDs. The video during transects was often underlit and the sub frequently left the bottom, but there is some good footage of *Laemonema melanurum* and of mixed habitat communities.