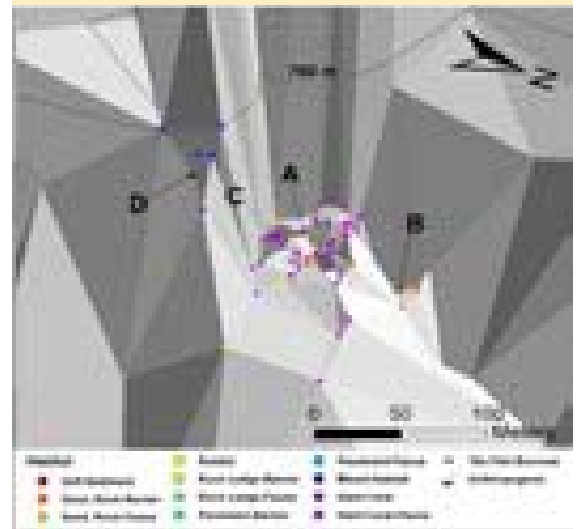


**DIVE NUMBER: JSLI-4682****STUDY AREA: Cape Canaveral North****STATION OVERVIEW**

<b>Project</b>	Life on the Edge 2004
<b>Principal investigators</b>	SW Ross <sup>1</sup> 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>	KJ Sulak (bow), M Nizinski (stern)
<b>External Video Tapes</b>	2 mini DVs, 1 HD
<b>Internal Video Tapes</b>	2 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 copies of bow and stern audio logs
<b>Acknowledgements</b>	NOAA-OE, NOAA Fisheries, USGS, UNCW, NC Museum of Natural Sciences
<b>SEADESC Analyst</b>	Am Quattrini, ML Partyka
<b>Date Compiled</b>	11/16/2006

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

<b>Date</b>	09-Jun-04
<b>Minimum Bottom Depth (m)</b>	760
<b>Maximum Bottom Depth (m)</b>	773
<b>Start Bottom Time (EDT)</b>	17:06
<b>End Bottom End (EDT)</b>	19:08
<b>Starting Latitude (N)</b>	28° 47.756'
<b>Starting Longitude (W)</b>	79° 37.304'
<b>Ending Latitude (N)</b>	28° 47.749'
<b>Ending Longitude (W)</b>	79° 37.240'
<b>Surface Current (Kts)</b>	
<b>Bottom Current (Kts)</b>	0.4

**Image A: Hard Coral-Fauna**  
28° 47.746' N, 79° 37.277' W



## DIVE NUMBER: JSLI-4682

## STUDY AREA: Cape Canaveral North

### IMAGE GALLERY

\* indicates image position is approximated

#### Image B: Sand/Rubble/Rock-Barren

28° 47.783' N, 79° 37.286' W



#### Image C: Hard Coral-Fauna

28° 47.744' N, 79° 37.266' W



#### Image D: Mixed Habitat

28° 47.742' N, 79° 37.232' W



### RELEVANT WORK AND/OR LITERATURE CITED

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

### BIOLOGICAL ENVIRONMENT

Few species of invertebrates or fish were seen during this dive. The dominant fish species was *Synaphobranchus* spp. Other species included *Fenestraja plutonia*, *Nezumia sclerorhynchus*, *Trachyscorpia cristulata*, and a chimaerid. Mobile invertebrates included a number of unidentified red shrimp and several pancake urchins. Though there were some live *Lophelia pertusa* growths, the majority of the sessile invertebrate community was composed of antipatharians and hexactinellid sponges.

### PHYSICAL ENVIRONMENT

The substrate surrounding the reef structure was primarily a mixture of sand and coral rubble with a crusty sediment layer. It was difficult to distinguish between the strictly sediment habitat category and that of sand/rubble/rock. The reef structure in the area was confined to isolated islands of hard corals and encrusting fauna.

### ADDITIONAL COMMENTS

This dive was recorded on 2 mini DVs and 1 HD and saved to 2 DVDs for archiving. The transects were often dark and moderate marine snow made much of the habitat difficult to observe. There was some technical difficulty during the recording of the second DV that caused the recording to be intermittent.