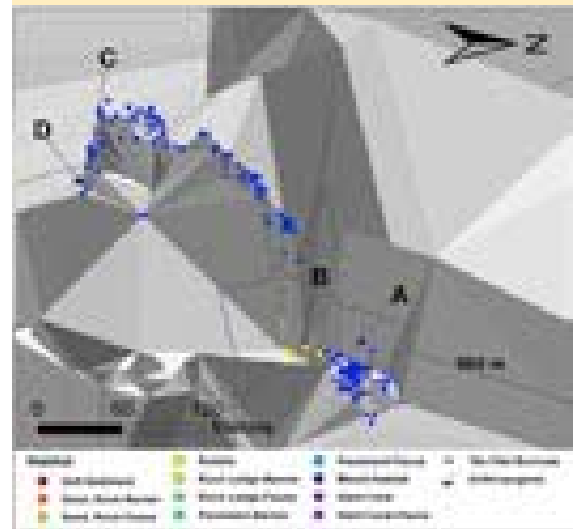


DIVE NUMBER: JSLI-4683**STUDY AREA: Jacksonville****STATION OVERVIEW**

Project	Life on the Edge 2004
Principal investigators	SW Ross ¹ KJ Sulak, MS Nizinski, E Baird
PI Contact Info¹	Center for Marine Science, 5600 Marvin Moss Ln., Wilmington, NC 28409
Purpose	Mapping of deep coral banks, ecological studies of macroinvertebrates and fishes, paleoclimate studies, coral genetics and educational outreach
Vessel	R/V Seward Johnson, Johnson Sea Link I Submersible
Science Divers	KJ Sulak (bow), E Baird (stern)
External Video Tapes	3 mini DVs, 1 HD
Internal Video Tapes	2 mini DVs
Digital Still Photos	14
Positioning System	dGPS
CTD File	<input checked="" type="checkbox"/>
Specimens Collected	<input checked="" type="checkbox"/>
Other	Hard copies of bow and stern audio logs
Acknowledgements	NOAA-OE, NOAA Fisheries, USGS, UNCW, NC Museum of Natural Sciences
SEADESC Analyst	AM Quattrini, ML Partyka
Date Compiled	11/16/2006

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

Date	10-Jun-04
Minimum Bottom Depth (m)	543
Maximum Bottom Depth (m)	581
Start Bottom Time (EDT)	8:32
End Bottom End (EDT)	10:55
Starting Latitude (N)	30° 31.047'
Starting Longitude (W)	79° 39.621'
Ending Latitude (N)	30° 30.974'
Ending Longitude (W)	79° 39.725'
Surface Current (Kts)	
Bottom Current (Kts)	0.5

Image A: Mixed Habitat
30° 31.046' N, 79° 39.646' W



DIVE NUMBER: JSLI-4683**STUDY AREA: Jacksonville****IMAGE GALLERY**

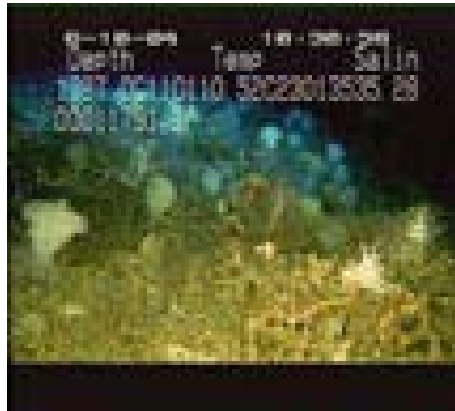
* indicates image position is approximated

Image B: Rubble

30° 31.026' N, 79° 39.646' W

**Image C: Mixed Habitat**

30° 30.935' N, 79° 39.740' W

**Image D: Mixed Habitat**

30° 30.935' N, 79° 39.740' W

**RELEVANT WORK AND/OR LITERATURE CITED**

- Ayers and Pilkey (1981) Ross and Nizinski (in press)
 EEZ-SCAN 87 Scientific Staff (1991) Williams et al. (in press)
 Paull et al. (2000)
 Reed (2002)
 Reed and Ross (2005)
 Williams et al. (2006)
 Reed et al. (2006)

BIOLOGICAL ENVIRONMENT

Relatively few fishes were documented during this dive, and those seen were typically in low numbers. The exception to this was *Nezumia sclerorhynchus*, which was common. Other observed species included *Laemonema melanurum*, *L. barbatulum*, *Trachyscorpia cristulata*, and notably an *Odontaspis ferox*. Mobile invertebrates were limited to an abundance of galatheid crabs on the reef. Sessile invertebrates were more diverse with a number of anemones, hexactinellid and sulfur sponges, antipatharians, isidids and small growths of *Lophelia pertusa*.

PHYSICAL ENVIRONMENT

Three habitat types were observed on this dive. In the beginning of the dive, the habitat included a mixed community of abundant sulfur sponges, hexactinellid sponges, and *L. pertusa* on a rubble and sand covered bottom. A transitional area of rubble habitat was then traversed. Substrate was >75% rubble and included areas both with and without attached fauna (few soft corals and crinoids). One small area was dominated by hard coral (*L. pertusa*) with attached fauna. Mixed habitat was then seen on the remainder of the dive, and included mostly a prime reef area with an abundance of anemones, hexactinellid sponges, soft corals, and antipatharians.

ADDITIONAL COMMENTS

This dive was captured on 3 mini DVs and 1HD and archived on 3 DVDs. At times the transects were underlit and the close footage was out of focus. The color balance was also off, giving a very green/yellow cast to the video.