
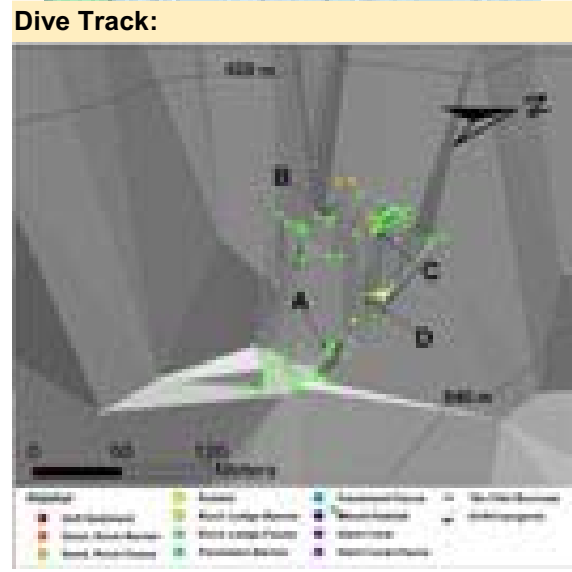


DIVE NUMBER: JSLI-4685**STUDY AREA: Jacksonville**

STATION OVERVIEW		GENERAL LOCATION
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	SW Ross (bow), C Morrison (stern)	
External Video Tapes	3 mini DVs	
Internal Video Tapes	3 mini DVs	
Digital Still Photos	0	
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	

**DIVE DATA**

Date	11-Jun-04
Minimum Bottom Depth (m)	626
Maximum Bottom Depth (m)	652
Start Bottom Time (EDT)	8:45
End Bottom End (EDT)	11:00
Starting Latitude (N)	30° 48.811'
Starting Longitude (W)	79° 37.809'
Ending Latitude (N)	30° 48.696'
Ending Longitude (W)	79° 37.934'
Surface Current (Kts)	
Bottom Current (Kts)	0.2

Image A: Rock Ledge-Fauna
30° 48.730' N, 79° 37.922' W



DIVE NUMBER: JSLI-4685**STUDY AREA: Jacksonville****IMAGE GALLERY**

* indicates image position is approximated

Image B: Rock Ledge-Fauna
30° 48.755' N, 79° 37.944' W**Image C: Rock Ledge-Fauna**
30° 48.756' N, 79° 37.926' W**Image D: Rock Ledge-Barren**
30° 48.738' N, 79° 37.944' 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

Several fish species were observed during this dive, including *Nezumia sclerorhynchus*, *Synphobranchus* spp., *Trachyscorpia cristulata*, *Hoplostethus occidentalis*, and *Laemonema melanurum*. Also, a chimaerid and *Dibranchius atlanticus* were observed on sand/rubble bottom. Mobile invertebrates observed during this dive included *Chaceon* crabs, unidentified shrimps, and galatheoids. Sessile invertebrates included antipatharians, crinoids, isidids, and *Lophelia pertusa*.

PHYSICAL ENVIRONMENT

This dive started off reef over a sand/coral rubble bottom with no attached fauna. A transitional area was then encountered, which included patches of various habitats, such as rubble, sand/coral rubble with attached fauna, and rock ledges with attached fauna. The majority of the dive was spent on rugged, rock ledges with barren and attached fauna areas. Rock ledges were covered with sand and coral rubble, and the attached fauna was confined mostly to the tops of ledges. Attached fauna included abundant antipatharians and isidids and sparse living *L. pertusa*.

ADDITIONAL COMMENTS

This dive was recorded on 3 mini DVs and saved to 3 DVDs for archiving. There was some interference with the video feed that caused fuzziness to the footage.