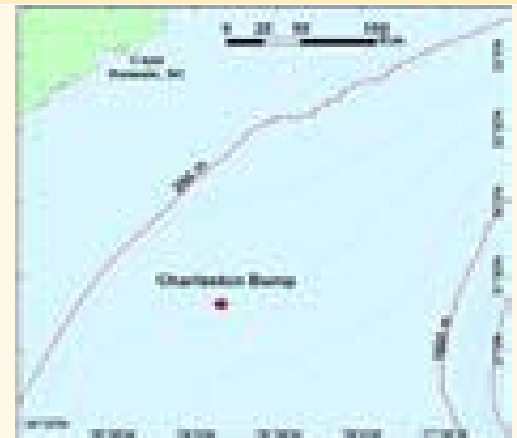
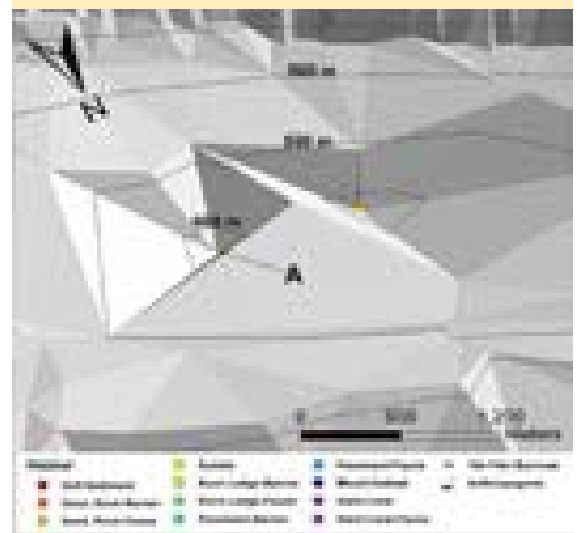


**DIVE NUMBER: JSLII-3460****STUDY AREA: Charleston Bump****STATION OVERVIEW**

<b>Project</b>	Estuary to the Abyss 2004
<b>Principal investigators</b>	GR Sedberry <sup>1</sup>
<b>PI Contact Info<sup>1</sup></b>	Marine Resources Research Institute, SCDNR P.O. Box 12559 Charleston SC 29422-2559
<b>Purpose</b>	To investigate cliff and associated sponges reported by Popenoe and Manheim (2001).
<b>Vessel</b>	R/V Seward Johnson 2, Johnson Sea Link II Submersible
<b>Science Divers</b>	GR Sedberry (bow), C Ralph (stern)
<b>External Video Tapes</b>	1 mini DV
<b>Internal Video Tapes</b>	
<b>Digital Still Photos</b>	
<b>Positioning System</b>	dGPS
<b>CTD File</b>	<input checked="" type="checkbox"/>
<b>Specimens Collected</b>	<input checked="" type="checkbox"/>
<b>Other</b>	Dive aborted due to nav errors. Sediment sampled.
<b>Acknowledgements</b>	NOAA-OE
<b>SEADESC Analyst</b>	ML Partyka
<b>Date Compiled</b>	12/19/2006

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

<b>Date</b>	21-Aug-04
<b>Minimum Bottom Depth (m)</b>	606
<b>Maximum Bottom Depth (m)</b>	608
<b>Start Bottom Time (EDT)</b>	14:35
<b>End Bottom End (EDT)</b>	14:55
<b>Starting Latitude (N)</b>	31° 15.978'
<b>Starting Longitude (W)</b>	78° 54.714'
<b>Ending Latitude (N)</b>	31° 16.110'
<b>Ending Longitude (W)</b>	78° 55.089'
<b>Surface Current (Kts)</b>	
<b>Bottom Current (Kts)</b>	

**Image A: Sand/Rubble/Rock-Fauna**  
31° 15.168' N, 78° 55.920' W'



**DIVE NUMBER: JSLII-3460**

**STUDY AREA: Charleston Bump**

**IMAGE GALLERY**

\* indicates image position is approximated

#### **RELEVANT WORK AND/OR LITERATURE CITED**

Popenoe and Manheim (2001)

Sedberry (2001)

#### **BIOLOGICAL ENVIRONMENT**

Due to the short time spent on the bottom during this dive, very few mobile organisms were observed. These included a squalid shark and a number of brittle stars. The sessile community was made up of primnoid corals, *Leiopathes* black coral, multiple sponges and a group of stalked crinoids. *Laemonema* sp. and *Polymixia* sp. were observed by science divers though were not captured on video.

#### **PHYSICAL ENVIRONMENT**

The physical habitat consisted of a relatively flat terrain made up of hard-pan with a thin veneer of sandy sediments.

#### **ADDITIONAL COMMENTS**

This dive was recorded on one mini DV with about 20 minutes of footage. The dive was aborted due to a failure with the tracking system so available positions may be inaccurate. The video footage quality was reduced by frequent cutting in and out and condensation on the inner camera lens. Also, the CTD/Time display was set outside the frame of a standard television and readable only on a computer.