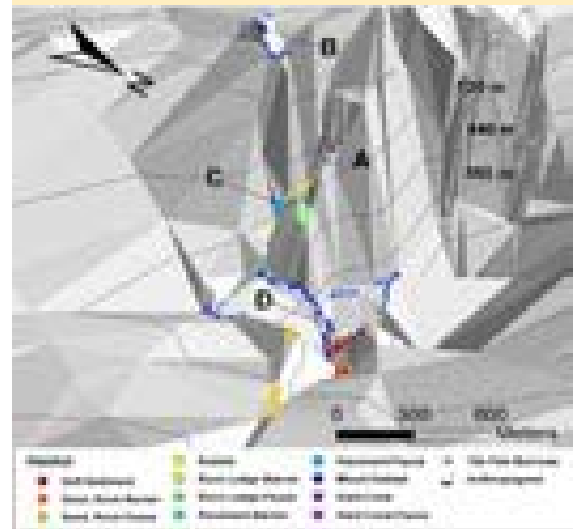


**DIVE NUMBER: JSLI-4370****STUDY AREA: Savannah Banks East****STATION OVERVIEW**

<b>Project</b>	Islands in the Stream 2001
<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 explore and describe habitats and associated fauna of high-relief features of the Charleston Bump
<b>Vessel</b>	R/V Seward Johnson, Johnson Sea Link I Submersible
<b>Science Divers</b>	P Harris (bow), C Livingston (stern)
<b>External Video Tapes</b>	3 mini DVs
<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>	No audio associated with the video
<b>Acknowledgements</b>	NOAA-OE
<b>SEADESC Analyst</b>	ML Partyka
<b>Date Compiled</b>	11/16/2006

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

<b>Date</b>	28-Sep-01
<b>Minimum Bottom Depth (m)</b>	484
<b>Maximum Bottom Depth (m)</b>	571
<b>Start Bottom Time (EDT)</b>	16:01
<b>End Bottom End (EDT)</b>	18:36
<b>Starting Latitude (N)</b>	31° 43.839'
<b>Starting Longitude (W)</b>	78° 47.950'
<b>Ending Latitude (N)</b>	31° 44.381'
<b>Ending Longitude (W)</b>	78° 47.581'
<b>Surface Current (Kts)</b>	
<b>Bottom Current (Kts)</b>	1

**Image A: Rock Ledge-Fauna**  
31° 44.106' N, 78° 47.838' W



**DIVE NUMBER: JSLI-4370****STUDY AREA: Savannah Banks East****IMAGE GALLERY**

\* indicates image position is approximated

**Image B: Mixed Habitat**  
31° 43.872' N, 78° 47.892' W

**Image C: Pavement-Fauna**  
31° 44.088' N, 78° 47.766' W

**Image D: Mixed Habitat**  
31° 44.280' N, 78° 47.736' W

**RELEVANT WORK AND/OR LITERATURE CITED****BIOLOGICAL ENVIRONMENT**

A large number of fish were seen during this dive, however, the majority of the species observed were represented by one or two individuals, such as *Synagrops* sp., *Helicolenus dactylopterus* and *Conger oceanicus*. In contrast, *Laemonema melanurum* were seen throughout the dive in high numbers. Mobile invertebrates were not common and were represented by *Eumunida picta*, *Bathynectes longispina*, spiny urchins and a sea star. Sessile invertebrates varied during the course of this dive. The beginning of the dive had a low-relief community of *Stylaster*, *Lophelia pertusa*, primnoids, solitary cup corals, small hexactinellid sponges and other encrusting species. In contrast, the mixed community found near the end of the dive was dominated by moderate-relief *Paramuricea* and *Swiftia* gorgonians, along with *Leiopathes* and *Keratoisis*. The understory was primarily hydrozoans, primnoids, solitary cup corals, and small sponges.

**PHYSICAL ENVIRONMENT**

This dive began over a gradually sloping mixed habitat area that transitioned to rock ledge with attached fauna. The majority of the ledges were low-relief and graded into pavement areas covered in a thin veneer of sediment. Beyond this rocky habitat was a large area of soft sediment habitat of thick, coarse sand.

**ADDITIONAL COMMENTS**

This dive was recorded on 3 mini DVs without time overlay or audio track. Correlations between video time and real time were made based on depth information. Much of the transect data were either underlit or filmed out of focus; however, there is good footage of several fish species. The sub also spent a lot of time hovering several feet off of the bottom, which often made habitat classifications difficult.