

# Activity Summary

CrsID

LifeEdge2005

CrsProjID

OE\_2005\_083

## Stetson Banks

10/27/2005

**Continental Slope Coral Banks of the Southeastern United States:  
Exploring the distributions. e**

### Overview of Human Occupied Vehicle Dive JSL1-2005-4904 (LifeEdge2005\_ACT0082) at Stetson Banks

Activity Vitals			Participants		Overall Dive Site Ratings	
<b>Dates/Times/Depth</b>	<b>Bndg Coordinates</b>	<b>System(s)</b>	Andrea Quattrini, Forward Observer		1 = low; 10 = high	
<b>Start</b> 10/27/2005 15:57:00	<b>North</b> 31.9746	Johnson-Sea-Link I Suction Sampler	MT Palmer, Aft Observer		Uniqueness	
<b>End</b> 10/27/2005 19:17:00	<b>South</b> 31.8505				Health	
<b>Time zone</b> EDT <b>UTC</b> -04	<b>East</b> -77.6124	<b>Data Collected</b>			Disturbance <b>5</b>	
<b>MaxDepth (m):</b> -666.6	<b>West</b> -77.6186	Samples Multimedia Data			Biodiversity	
					Relief Variation (meters):	

### Objectives

Explore an area suspected of supporting deep coral communities; collect coral specimens for genetic analyses; collect fishes and invertebrates for Conduct video transects and collect coral specimens, fishes and invertebrates for genetic and stable isotope analyses.

### Dive Track Description

Dive started on top of a mound covered with rock outcrops. Sediment covered rubble was also present on top of the rocks. There was abundant attached fauna, including antipatharians, small patches of live *Lophelia pertusa*, *Enallopsammia* spp, *Leiopathes* spp, and other soft corals. Current on the bottom was strong and prevented movement on top of the mounds. We worked down slope and then along the slope. Habitat was similar in all places along the dive track. Current seemed to decrease toward the end of the dive, therefore, we transected up slope. Entire area had mounds and canyons.

Living Habitat Structure		Sediments		Geomorphology		Anthropogenics	
Type	% Cover	Type	% Cover	Type	% Cover	Type/Description	
Sponges		Coarse Sand (.5mm -		mounds		Garbage	
Stony Corals		Mix of Boulders & Cobbles		rock outcrops		glass bottles; fabric garbage	
Octocorals				sand			
Dead Coral w/ encrusting				coral rubble			

### Living Marine Resources Abundance

None (0) Single (1) Few (2-10) Many (11-100) Abundant (>100)

Pelagic Fish		Other Benthic		Observations and Comments on Living Marine Resources:	
Many		Nothing recorded.		No other comments.	
Bottom Fish	Many			<b>Unique or Rare Invertebrates</b>	<b>Unique or Rare Vertebrates</b>
Crustacean	Many			Nothing recorded.	Nothing recorded.
Mollusk					
Echinoderm	Many				

### Fish Observation and Abundance

None (0) Single (1) Few (2-10) Many (11-100) Abundant (>100)

*Polyprion americanus*-few, *Laemonema melanurum*-many, *Nezumia* spp-few, *Trachyscorpia* spp-few, Conger eel-single, Unid eel-single

### Other Comments/Notes

NOAA Office of Ocean Exploration



Generated on 2/21/2006