

# Activity Summary

CrsID

LifeEdge2005

CrsProjID

OE\_2005\_083

## Cape Lookout Banks Site A

10/17/2005

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

### Overview of Human Occupied Vehicle Dive JSL1-2005-4890 (LifeEdge2005\_ACT0011) at Cape Lookout

Activity Vitals			Participants		Overall Dive Site Ratings	
<b>Dates/Times/Depth</b>	<b>Bndg Coordinates</b>	<b>System(s)</b>	Steve Ross, Forward Observer		1 = low; 10 = high	
<b>Start</b> 10/17/2005 8:10:00	<b>North</b> 34.3222	Johnson-Sea-Link I	Martha Nizinski, Aft Observer		Uniqueness	
<b>End</b> 10/17/2005 11:01:00	<b>South</b> 34.3282	Suction Sampler			Health	<b>10</b>
<b>Time zone</b> EDT <b>UTC</b> -04	<b>East</b> -75.7820	<b>Data Collected</b>			Disturbance	<b>10</b>
<b>MaxDepth (m):</b> -419.7	<b>West</b> -75.7939	Samples Multimedia			Biodiversity	<b>6</b>
					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 began in coral rubble zone, relatively flat. During the dive, we moved steadily up-slope to steep mounds densely covered with dead and live Lophelia coral.

### Living Habitat Structure

Type	% Cover
Sponges	
Stony Corals	
Dead Coral w/ encrusting	
Other Ceranthids	

### Sediments

Type	% Cover
Fine Sand (.06mm -	

### Geomorphology

Type	% Cover
mounds	
ridges	
low-relief hard bottom	
sand	

### Anthropogenics

Type/Description
Nothing recorded.

### Living Marine Resources Abundance

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

<b>Pelagic Fish</b>	Few	<b>Other Benthic</b>	few
<b>Bottom Fish</b>	Many	Nothing recorded.	
<b>Crustacean</b>	Abundant		
<b>Mollusk</b>	Few		
<b>Echinoderm</b>	Abundant		

### Observations and Comments on Living Marine Resources:

No other comments.

<b>Unique or Rare Invertebrates</b>	Nothing recorded.	<b>Unique or Rare Vertebrates</b>	Nothing recorded.
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### Fish Observation and Abundance

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

Nothing recorded.

### Other Comments/Notes

NOAA Office of Ocean Exploration



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