

Activity Summary

CrsID

LifeEdge2005

CrsProjID

OE_2005_083

Cape Lookout Banks Site B

10/18/2005

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

Overview of Human Occupied Vehicle Dive JSL1-2005-4892 (LifeEdge2005_ACT0029) at Cape Lookout

Activity Vitals			Participants		Overall Dive Site Ratings	
Dates/Times/Depth	Bndg Coordinates	System(s)	Martha Nizinski, Forward Observer		1 = low; 10 = high	
Start 10/18/2005 8:01:00	North 34.2252	Johnson-Sea-Link I	Liz Baird, Aft Observer		Uniqueness	7
End 10/18/2005 10:59:00	South 34.2396	Suction Sampler			Health	9
Time zone EDT UTC -04	East -75.8661	Data Collected			Disturbance	
MaxDepth (m): -422.5	West -75.8793	Samples			Biodiversity	8
		Multimedia			Relief Variation (meters):	20
		Data				

Objectives

Conduct video transects and collect coral specimens, fishes, and invertebrates present on the deep coral banks.

Dive Track Description

Dive began on sandy bottom. Moved toward relief detected by echosounder (target). Found mound and moved up-slope. Lophelia covered most of the mounds. A lot of dead Lophelia with live tips. All of the usual Lophelia-associated invertebrates and fishes were present (e.g., Eumunidae, Flytrap anemone, Echinus urchin, coral hake, blackbelly rosefish). There were more species of anemones here than the site further north (17 Oct 2005 dives). Another invertebrate present here but not at the previous site was an orange octocoral. We reached the top and the current was stronger (~ 8 knots). We followed the ridge for the rest of the dive.

Living Habitat Structure		Sediments		Geomorphology		Anthropogenics
Type	% Cover	Type	% Cover	Type	% Cover	Type/Description
Sponges	5	Medium Sand (.25mm -		mounds		Nothing recorded.
Stony Corals	70			ridges		
Octocorals	5			sand		
Dead Coral w/ encrusting	50					
Hydroids, bryozoans	19					

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:	
None	None	none	Nothing recorded.	No other comments.	
Many	Many			Unique or Rare Invertebrates	Unique or Rare Vertebrates
Abundant	Abundant			Rare hermit crabs, octocoral	Anthias, Ray
Few	Few				
Many	Many				

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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