

Activity Summary

CrsID

LifeEdge2005

CrsProjID

OE_2005_083

Cape Lookout Banks Site B

10/19/2005

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

Overview of Human Occupied Vehicle Dive JSL1-2005-4895 (LifeEdge2005_ACT0048) at Cape Lookout

Activity Vitals			Participants		Overall Dive Site Ratings	
Dates/Times/Depth	Bndg Coordinates	System(s)	Liz Baird, Forward Observer		1 = low; 10 = high	
Start 10/19/2005 16:00:00	North 34.2140	Johnson-Sea-Link I	Andrea Quattrini, Aft Observer		Uniqueness	10
End 10/19/2005 19:01:00	South 34.2159	Suction Sampler			Health	10
Time zone EDT UTC -04	East -75.8837	Data Collected			Disturbance	7
MaxDepth (m): -1377.0	West -75.8857	Samples Multimedia Data			Biodiversity	8
					Relief Variation (meters):	

Objectives

Explore a valley-ridge complex suspected of supporting deep coral communities; Collect fishes and invertebrates for stable isotope analysis; Collect coral specimens for genetics studies; Conduct video transects to document species-habitat associations.

Dive Track Description

Location consisted of mounds of dead Lophelia with live Lophelia. Sand at base, no visible rubble. Ridge and swale topography with sand in all low lying areas and dead/live Lophelia on ridges. Primary visible creatures included Galatheids, venus fly trap anemones, urchins, brittle stars. Few fish but did see hakes, Beryx, conger eel, blackbelly rosefish, Anthius. Worked along ridge making Lophelia and suction collections. Deployed 2 crab traps. Unable to locate crab traps at end of dive. Did see 2 empty paint buckets on the bottom.

Living Habitat Structure

Type	% Cover
Sponges	1
Stony Corals	30
Octocorals	<1
Dead Coral w/ encrusting	40

Sediments

Type	% Cover
Nothing recorded.	

Geomorphology

Type	% Cover
mounds	20
ridges	50
sand waves	
sand	30

Anthropogenics

Type/Description
Garbage
2 paint buckets

Living Marine Resources Abundance

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

Pelagic Fish	None	Other Benthic	many sponges
Bottom Fish	Few		
Crustacean	Abundant		
Mollusk	None		
Echinoderm	Many		

Observations and Comments on Living Marine Resources:

No other comments.

Unique or Rare Invertebrates	Unique or Rare Vertebrates
school of squid (~100)	Anthius fish

Fish Observation and Abundance

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

Anthius-single, Blackbelly rosefish-many, Conger eel-few, Hake-few

Other Comments/Notes

NOAA Office of Ocean Exploration



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