

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 JSL1-2005-4894 (LifeEdge2005_ACT0047) at Cape Lookout

Activity Vitals

Dates/Times/Depth	Bndg Coordinates	System(s)
Start 10/19/2005 8:00:00	North 34.1740	Johnson-Sea-Link I
End 10/19/2005 11:17:00	South 34.1834	Suction Sampler
Time zone EDT UTC -04	East -75.8875	Data Collected
MaxDepth (m): -452.0	West -75.8947	Samples Multimedia Data

Participants

Tara Casazza, Forward Observer
Barb Lubinski, Aft Observer
Jenny McClain, Student-at-Sea

Overall Dive Site Ratings

1 = low; 10 = high

Uniqueness	
Health	10
Disturbance	1
Biodiversity	7
Relief Variation (meters):	70

Objectives

Explore a high-relief area suspected of supporting deep coral communities; collect coral specimens for genetic analyses, collect fishes and invertebrates for stable isotope analysis; run video transect for habitat characterization.

Dive Track Description

The dive began on flat sandy bottom and proceeded to the Lophelia reef targets. Survey and sampling began at the base of a mound and continued up-slope while sampling at various points toward the summit. The mound was constructed of a Lophelia coral framework infilled with sediment. An abundance of live coral was observed. Some gorgonians and other suspension-feeding fauna were seen.

Living Habitat Structure

Type	% Cover
Nothing recorded.	

Sediments

Type	% Cover
Nothing recorded.	

Geomorphology

Type	% Cover
mounds	
pinnacles	
ridges	

Anthropogenics

Type/Description
Nothing recorded.

Living Marine Resources Abundance

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

Pelagic Fish	Other Benthic
Bottom Fish	Nothing recorded.
Crustacean	
Mollusk	
Echinoderm	

Observations and Comments on Living Marine Resources:

No other comments.

Unique or Rare Invertebrates	Unique or Rare Vertebrates
Nothing recorded.	Nothing recorded.

Fish Observation and Abundance

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

Nothing recorded.

Other Comments/Notes