

Activity Summary

CrsID

LifeEdge2005

CrsProjID

OE_2005_083

Cape Fear Banks

10/20/2005

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

Overview of Human Occupied Vehicle Dive JSL1-2005-4897 (LifeEdge2005_ACT0057) at Cape Fear Banks

Activity Vitals

Dates/Times/Depth	Bndg Coordinates	System(s)
Start 10/20/2005 15:58:00	North 33.5755	Johnson-Sea-Link I Suction Sampler
End 10/20/2005 18:44:00	South 33.5792	
Time zone EDT UTC -04	East -76.4635	Data Collected Samples Multimedia Data
MaxDepth (m): -448.1	West -76.4532	

Participants

Martha Nizinski, Forward Observer
Renee Green, Aft Observer

Overall Dive Site Ratings

1 = low; 10 = high

Uniqueness	5
Health	5
Disturbance	1
Biodiversity	4
Relief Variation (meters):	

Objectives

Explore large mound located at the Cape Fear Banks deep coral site; conduct video transects to characterize bottom habitats; collect coral specimens for genetic studies; collect fishes and other organisms for deep coral food web studies.

Dive Track Description

Dive started on fairly flat rubble/sand bottom, close to our target site. Moved forward until reached a large vertical wall. Wored up the wall. Once over the top saw a series of walls and valleys. Worked along the top of the ridge - habitat was mostly coral rubble, dead coral, small colonies of Lophelia. Much of the dead coral seemed to be consolidated into large blocks.

Living Habitat Structure

Type	% Cover
Stony Corals	25
Dead Coral w/ encrusting	75

Sediments

Type	% Cover
Medium Sand (.25mm -	5
Coral Rubble	95

Geomorphology

Type	% Cover
ridges	40
walls	30
sand	5
coral rubble	25

Anthropogenics

Type/Description

Living Marine Resources Abundance

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

Pelagic Fish	Few	Other Benthic	none
Bottom Fish	Many	Nothing recorded.	
Crustacean	Abundant		
Mollusk	None		
Echinoderm	Abundant		

Observations and Comments on Living Marine Resources:

No other comments.

Unique or Rare Invertebrates

Venus fly trap anemones,
Madrapora oculata

Unique or Rare Vertebrates

Small eel

Fish Observation and Abundance

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

Laemonema-few, Beryx-single, Conger eel-few, Redbelly Rosefish-few, Hoplostethus-single, Small eel-single

Other Comments/Notes

NOAA Office of Ocean Exploration



Generated on 2/21/2006