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_4891 (LifeEdge2005_ACT0016) at Cape Lookout

Activity Vitals

Dates/Times/Depth

Start 10/17/2005 16:06:00

End 10/17/2005 18:43:00

Time zone EDT **UTC** -04

MaxDepth (m): -432.8

Bndg Coordinates

North 34.3161

South 34.3266

East -75.7856

West -75.7966

System(s)

Johnson-Sea-Link I
Suction Sampler

Data Collected

Samples
Multimedia
Data

Participants

Martha Nizinski, Forward Observer

Cheryl Morrison, Aft Observer

Overall Dive Site Ratings

1 = low; 10 = high

Uniqueness	8
Health	9
Disturbance	1
Biodiversity	6
Relief Variation (meters):	

Objectives

Explore areas suspected of supporting deep coral communities; Collect fish and invertebrates for stable isotope analysis; Collect coral specimens for genetics studies.

Dive Track Description

The dive started on a fairly flat surface with sediment and coral rubble approximately 700 ft off the target site. The sub moved in a 220 degree direction toward the reef area and approached a large wall. The sub moved up the wall and surveyed a large ridge and valley system. Habitats were characterized by coral rubble, live and dead Lophelia, venus fly trap anemones, echinoderms, and crustaceans.

Living Habitat Structure

Type	% Cover
Sponges	5
Stony Corals	50
Octocorals	1
Dead Coral w/ encrusting	40
Hydroids, bryozoans	4

Sediments

Type	% Cover
Coarse Sand (.5mm -	10
Coral Rubble	90

Geomorphology

Type	% Cover
mounds	10
ridges	25
low-relief hard bottom	5
sand	2
valleys	18
coral rubble	40

Anthropogenics

Type/Description
Garbage
Piece of a plastic bas

Living Marine Resources Abundance

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

Pelagic Fish	Few
Bottom Fish	Few
Crustacean	Abundant
Mollusk	Abundant
Echinoderm	Many

Other Benthic abundant
Sea Anemones

Observations and Comments on Living Marine Resources:

No other comments.

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

Fish Observation and Abundance

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

Beryx-many, Laemonema-many, Anthias-few, Blackbelly rosefish-many, hoplostethus-few

Other Comments/Notes