

Activity Summary

CrsID

LifeEdge2005

CrsProjID

OE_2005_083

Jacksonville Banks

11/1/2005

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

Overview of Human Occupied Vehicle Dive JSL1-2005-4908 (LifeEdge2005_ACT0087) at Jacksonville Banks

Activity Vitals			Participants		Overall Dive Site Ratings	
Dates/Times/Depth	Bndg Coordinates	System(s)	Martha Nizinski, Forward Observer		1 = low; 10 = high	
Start 11/1/2005 16:15:00	North 30.5049	Johnson-Sea-Link I	Colleen Young, Aft Observer		Uniqueness	8
End 11/1/2005 19:32:00	South 30.5312	Suction Sampler			Health	8
Time zone EDT UTC -04	East -79.6546	Data Collected			Disturbance	2
MaxDepth (m): -646.8	West -79.6666	Samples			Biodiversity	10
		Multimedia			Relief Variation (meters):	
		Data				

Objectives

Explore an area suspected of supporting deep coral communities; collect coral specimens for genetic analyses; collect fishes and invertebrates for Conduct video transects and collect coral specimens, fishes and invertebrates for genetic and stable isotope analyses.

Dive Track Description

Dive started in low relief, fairly flat, bottom covered with coral rubble. Area had some ridges that we worked up and over. Bottom covered with live hard and soft corals and glass sponges. Habitat changed to more barren area - bottom covered with coral rubble and fewer live organisms. Habitat changed again to fairly flat rock substrate with a few black corals and bamboo corals. We continued to transect and went back over the high diversity habitat and continued in this habitat for the rest of the dive.

Living Habitat Structure		Sediments		Geomorphology		Anthropogenics
Type	% Cover	Type	% Cover	Type	% Cover	Type/Description
Sponges	40	Rock, Continuous Strata	15	ridges	15	Other
Sponges	20	Coral Rubble	85	low-relief hard bottom	15	chair and fishing line
Octocorals	20			coral rubble	70	
Dead Coral w/ encrusting	20					

Living Marine Resources Abundance

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

Pelagic Fish	Few	Other Benthic	abundant
Bottom Fish	Many		sponges, esp glass sponges
Crustacean	Many		
Mollusk	Abundant		
Echinoderm	Many		

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)

small sharks-few, Laemonema-many, Nezumia-many, Scorpaenid-single

Other Comments/Notes

NOAA Office of Ocean Exploration



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