

Activity Summary

CrsID

LifeEdge2004

CrsProjID

PRJ0019

Jacksonville Lithotherms

6/11/2004

Life on the Edge II: Exploring Deep Ocean Habitats

Overview of Human Occupied Vehicle Dive JSLI_4686 (LifeEdge2004_ACT0040) at Jacksonville

Activity Vitals

Dates/Times/Depth	Bndg Coordinates	System(s)
Start 6/11/2004 16:20:00	North 30.5019	Johnson-Sea-Link I
End 6/11/2004 19:20:00	South 30.4914	
Time zone EDT UTC -04	East -79.6514	Data Collected
MaxDepth (m): -637.6	West -79.6602	Samples Multimedia Data

Participants

Liz Baird, Forward Observer
Allen Brooks, Aft Observer
Patrick Jorgenson, Aft Technician

Overall Dive Site Ratings

1 = low; 10 = high	
Uniqueness	
Health	
Disturbance	
Biodiversity	8
Relief Variation (meters):	

Objectives

1) Collect sediment samples, 2) collect fish and crabs, 3) collect black coral with a thick base, 4) collect Lophelia, and 5) film in HD and miniDV.

Dive Track Description

Dive started near a slope covered in coral, sponges and coral rubble. The pilot worked to get the HD camera to work, but it did not. We traveled to a location suitable for putting in a trap. It still had coral and sponges. We placed both traps within 6 feet of each other, then tried a sediment sample. The sediment was very fine. We traversed to an area that looked "wiped out" with simply coral rubble, a few sponges and some small soft coral. We saw some structures that appeared to be built by fish or octopus. We traversed back to the original site.

Comment: Biodiversity was an 8 during the first part of the dive and it was a 2 during the second part of the dive.

Living Habitat Structure

Type	% Cover
Sponges	30
Stony Corals	30
Dead Coral w/ encrusting	

Sediments

Type	% Cover
Medium Sand (.25mm - coral rubble	

Geomorphology

Type	% Cover
mounds	60
ridges	10
coral rubble	
pits	

Anthropogenics

Type/Description
Nothing recorded.

Living Marine Resources Abundance

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

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

Observations and Comments on Living Marine Resources:

Saw "structure" made of rubble but could not find fish/octopus/?.

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)

coral hake-few, rat tail-few

Other Comments/Notes

NOAA Office of Ocean Exploration



Generated on 12/21/2005