

# Activity Summary

CrsID

LifeEdge2004

CrsProjID

PRJ0019

## Jacksonville Lithoherms

6/19/2004

*Life on the Edge II: Exploring Deep Ocean Habitats*

### Overview of Human Occupied Vehicle Dive JSLI\_4701 (LifeEdge2004\_ACT0086) at Jacksonville Lithoherms

#### Activity Vitals

Dates/Times/Depth	Bndg Coordinates	System(s)
<b>Start</b> 6/19/2004 16:30:00	<b>North</b> 30.4923	Johnson-Sea-Link I HD Video Camera
<b>End</b> 6/19/2004 19:15:00	<b>South</b> 30.4727	
<b>Time zone</b> EDT <b>UTC</b> -04	<b>East</b> -79.6367	<b>Data Collected</b>
<b>MaxDepth (m):</b> 0.0	<b>West</b> -79.6500	Samples Multimedia Data

#### Participants

Jeremy Potter, Aft Observer  
Patrick Jorgensen, Aft Technician

#### Overall Dive Site Ratings

1 = low; 10 = high	
Uniqueness	<b>8</b>
Health	<b>8</b>
Disturbance	<b>3</b>
Biodiversity	<b>7</b>
Relief Variation (meters):	<b>10</b>

#### Objectives

Collect live Lophelia, black coral, bamboo coral, fish, sediment, and chaceon crab; and video bamboo coral at depth to see if bioluminescence can be viewed.

Comments: HD blew breaker about 1hr 45min into dive.  
This was a HBOI sub group training dive, video is not particulary great.

#### Dive Track Description

Started out at the top of a very nice ridge line covered with live Lophelia. The current was particularly strong and the sides of the ridge sloped steeply downward. There were only a few open areas with visible sandy patches.

The ridge line was particularly thin. As we moved down along the side of the ridge, the habitat quickly changed from live dense Lophelia to a greater percentage of dead bushes. This soon changed to coral rubble and eventually mostly sand. It appeared that another ridge topped with coral ran parallel to the first.

There was an abundance of invert. diversity, particularly sponges.

#### Living Habitat Structure

Type	% Cover
Sponges	
Stony Corals	
Dead Coral w/ encrusting	
Hydroids, bryozoans	

#### Sediments

Type	% Cover
Medium Sand (.25mm -	

#### Geomorphology

Type	% Cover
mounds	
ridges	
pits	
sand	

#### Anthropogenics

Type/Description
pillow

#### Living Marine Resources Abundance

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

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

#### Observations and Comments on Living Marine Resources:

General Comments: Nezumia appeared to stay close to open sand on edge of living/dead coral. The Dactylobatus sp. is a skate that

**Unique or Rare Invertebrates**      **Unique or Rare Vertebrates**

Tall vertical white sponge was collected that was filled with eggs.      Feeding conger eel.

#### Fish Observation and Abundance

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

Laemonema melanurum-few, Conger oceanicus-single, Dactobatus sp.-single, Nezumia bairdii-many

#### Other Comments/Notes

NOAA Office of Ocean Exploration



Generated on 12/21/2005