

# Activity Summary

CrsID

LifeEdge2004

CrsProjID

PRJ0019

## Proposed Marine Protected Area

6/14/2004

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

### Overview of Human Occupied Vehicle Dive JSLI\_4690 (LifeEdge2004\_ACT0053) at Proposed Marine

Activity Vitals			Participants		Overall Dive Site Ratings	
<b>Dates/Times/Depth</b>	<b>Bndg Coordinates</b>	<b>System(s)</b>	Andrea Quattrini, Forward Observer		1 = low; 10 = high	
<b>Start</b> 6/14/2004 13:56:00	<b>North</b> 33.4170	Johnson-Sea-Link I	Steve Ross, Aft Observer		Uniqueness	<b>6</b>
<b>End</b> 6/14/2004 15:57:00	<b>South</b> 33.4148	HD Video Camera	Craig Caddigan, Pilot		Health	<b>6</b>
<b>Time zone</b> EDT <b>UTC</b> -04	<b>East</b> -77.0742	<b>Data Collected</b>	Patrick Jorgenson, Aft Technician		Disturbance	<b>6</b>
<b>MaxDepth (m):</b> -102.4	<b>West</b> -77.0757	Samples			Biodiversity	<b>6</b>
		Multimedia			Relief Variation (meters):	
		Data				

### Objectives

Transects with camera on wide-angle view, and collecting animals with rotenone.

### Dive Track Description

Dive started on a sand/shell hash bottom. We started the HD camera and got it up and running. We then transected to the target area. We worked 2 transects along the slope, and 1 up slope. Most of the dive was spent transecting and filming on wide angle view. The slope was covered with collapsed boulders, and small outcrops. Lots of holes, crevices and burrows were throughout rocks. Slope approximately 40 degrees. At end of dive we stayed approximately 20 ft below ridge top conducting a transect and then rotenoning, where we ended the dive. Some coral was observed growing beneath ledges.

Comments: good video transects; collected 1 Corniger spinosus; collected 1 piece of coral with crabs.

Living Habitat Structure		Sediments		Geomorphology		Anthropogenics	
Type	% Cover	Type	% Cover	Type	% Cover	Type/Description	
Sponges		mix of sand/shell hash		rock outcrops		Discarded Gear	
Stony Corals				low-relief hard bottom		fishing line; anchor	
Octocorals						Garbage	
Bryozoans						baseball hat	

### Living Marine Resources Abundance

None (0) Single (1) Few (2-10) Many (11-100) Abundant (&gt;100)

<b>Pelagic Fish</b>	Many	<b>Other Benthic</b>	few
<b>Bottom Fish</b>	Abundant	Nothing recorded.	
<b>Crustacean</b>	None		
<b>Mollusk</b>	Single		
<b>Echinoderm</b>	None		

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

No other comments.

<b>Unique or Rare Invertebrates</b>	<b>Unique or Rare Vertebrates</b>
white coral beneath ledges	Nothing recorded.

### Fish Observation and Abundance

None (0) Single (1) Few (2-10) Many (11-100) Abundant (&gt;100)

Mycteroperca phenax-many, Mycteroperca interstitialis-few, Pristigenys alta-many, Prioacanthus arenatus-many, Corniger spinosus-many, Pareques spp.-many, Chaetodon aya-few, Chaetodon ocellatus-single, Chaetodon sedentarius-many, Synodontidae-few, Chaetodon guyanensis-few, Prognathodes aculeatus-single, Liopropoma abberans-few, Liopropoma eukrines-many, Bodianus pulchellus-few, Seriola rivoliana-many, Epinephelus niveatus-few, Epinephelus cruentatus-single, Gymnothorax spp.-few, Pristigaster martinicensis-abundant, Anthiines-abundant, Holacanthus ciliaris-single, Holacanthus bermudensis-single, Pterois volitans-few, Scorpaenids-few, Holocentrus bullisi-few, Halichoeres bathyphilus-few, Rvohcus saonaceus-few

### Other Comments/Notes

NOAA Office of Ocean Exploration



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