

# Activity Summary

CrsID

GOMEX2003

CrsProjID

PRJ0013

Green Canyon GC354

9/25/2003

Gulf of Mexico Deep Habitats

## Overview of Remotely Operated Vehicle Dive Sonsub Dive 36 (GOMEX2003\_ACT0059) at Green Canyon

Activity Vitals			Participants	Overall Dive Site Ratings
<b>Dates/Times/Depth</b>	<b>Bndg Coordinates</b>	<b>System(s)</b>	No participants recorded.	<i>1 = low; 10 = high</i>
<b>Start</b> 9/25/2003 7:43:00	<b>North</b> 27.5973	Innovator		Uniqueness <b>5</b>
<b>End</b> 9/25/2003 12:50:18	<b>South</b> 27.5974			Health <b>10</b>
<b>Time zone</b> CST <b>UTC</b> -06	<b>East</b> -91.8274	<b>Data Collected</b>		Disturbance <b>1</b>
<b>MaxDepth (m):</b> -538.9	<b>West</b> -91.8267	Samples Multimedia Data		Biodiversity <b>5</b>
				Relief Variation (meters): <b>10</b>

### Objectives

1. Survey area for deep-sea corals.
2. Deploy current meter for retrieval by JSL later this year.
3. Collect samples of Gorgonians to support MCBI project

### Dive Track Description

ROV landed in an area scattered with large carbonate outcrops with sponges, gorgonians and a few Lophelia colonies. A current meter was deployed between two large boulders with sponges and gorgonians surrounding it. Topography at the second waypoint was initially variable but was most muddy toward the end. The ROV transited back to site 1 and collected a water sample, a sediment sample, Lophelia, sponges, and gorgonians.

Transect between site 1 and 2 was not very good. It was limited by topography and having to keep moving the TMS (teather management system) and the ship.

Living Habitat Structure		Sediments		Geomorphology		Anthropogenics
Type	% Cover	Type	% Cover	Type	% Cover	Type/Description
Nothing recorded.		Boulder ( > 256Mm)	20	rock outcrops	80	none
		Fine Sand (.06mm -	60	low-relief hard bottom	20	
		other	20			

### Living Marine Resources Abundance

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

<b>Pelagic Fish</b>	Many	<b>Other Benthic</b>	few
<b>Bottom Fish</b>	Few	Nothing recorded.	
<b>Crustacean</b>	Few		
<b>Mollusk</b>	Few		
<b>Echinoderm</b>	Few		

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

No other comments.

<b>Unique or Rare Invertebrates</b>	<b>Unique or Rare Vertebrates</b>
Nothing recorded.	Nothing recorded.

### Fish Observation and Abundance

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

amber jack-many, creole fish-many, grouper-few, blue angel fish-single, reef butterfly fish-single, rough tongue bass-many, deepwater squirrel fish-single, purple reef fish-single

### Other Comments/Notes

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