

Activity Summary

CrsID

Mtns2004

Manning Seamount

5/14/2004

CrsProjID

PRJ0017

Mountains in the Sea: Exploring the New England Seamounts

Overview of Remotely Operated Vehicle Dive Mtns04_D5 (Mtns2004_ACT0020) at Manning Seamount

Activity Vitals			Participants		Overall Dive Site Ratings
Dates/Times/Depth	Bndg Coordinates	System(s)	Lauren Mullineaux, Scientist		<i>1 = low; 10 = high</i>
Start 5/14/2004 2:53:00	North 38.2193	Hercules	Peter Auster, Scientist		Uniqueness
End 5/14/2004 19:21:00	South 38.2172	Argus Camera ROV	Mary Olds, Data Logger		Health
Time zone UTC UTC 00	East -60.5117	Data Collected	Mike McKee, Data Logger		Disturbance
MaxDepth (m): -1369.0	West -60.5146	Samples	Scott France, Scientist		Biodiversity
		Multimedia	Todd Gregory, Pilot		Relief Variation (meters):
		Data	Tom Orvosh, Pilot		

Objectives

collect colonization blocks, measure Paragorgia, collect coral specimens, image fish, test newlo coral measurement technique

Dive Track Description

Descent through the water column to the seafloor at 1335m. Mesopelagic fauna much more sparse than vertical transect at Bear. Search for the first site containing recruitment blocks was successful after a systematic search to the north of our predicted position. Five of ten blocks were recovered at the "coral forest" station and five blocks from the "plains" site. A transect was conducted to sample size class structure of "Paragorgia" type corals using video and lasers for measurements. Snippets of coral were collected for population genetic studies. (Read w/ French accent) As we ascend toward the world of air and light, we regret the need to collect these ancient centenals of the deep so we might better understand their lives and protect them from human folly.

Living Habitat Structure

Type	% Cover
Nothing recorded.	

Sediments

Type	% Cover
Nothing recorded.	

Geomorphology

Type	% Cover
Nothing recorded.	

Anthropogenics

Type/Description
Nothing recorded.

Living Marine Resources Abundance

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

Pelagic Fish	Other Benthic
	Nothing recorded.
Bottom Fish	
Crustacean	
Mollusk	
Echinoderm	

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)

Nothing recorded.

Other Comments/Notes

NOAA Office of Ocean Exploration



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