

Activity Summary

CrsID

DASS2005

CrsProjID

OE_2005_085

Center Corner Rise (newly named Milne-Edwards)

8/17/2005

Stepping Stones Across the Atlantic: Exploring Pathways and Processes from the Dispersal and Evolution of Deep Sea Corals and Anemones

Overview of Remotely Operated Vehicle Dive 4 (DASS2005_ACT0035) at Center Corner Rise

Activity Vitals

Dates/Times/Depth**Start** 8/17/2005 0:58:00**End** 8/17/2005 14:40:00**Time zone** UTC **UTC** 00**MaxDepth (m):** -1690.0**Bndg Coordinates****North** 34.8167**South** -34.8000**East** 50.5000**West** -50.5000**System(s)**

Hercules

Argus Camera ROV

Data Collected

Samples

Multimedia

Data

Participants

Scott France,

Rhian Waller,

Peter Auster,

Overall Di

1 = 100%

Uniqueness

Health

Disturbance

Biodiversity

Relief Variati

Objectives

Collect corals and other invertebrates for taxonomy, reproductive biology, population genetics, and ecological associates. Collect fossil corals. Collect video imagery for fish and invertebrate census and distribution studies.

Dive Track Description

Hercules touched down at 1680 meters in an area of biogenic sand and exposed basalt. The area contained two new species of fish for this expedition which were collected. Small 'oases' of corals and fishes were seen throughout the dive. Several steep escarpments were encountered during the transit to the plateau of 1286 meters. 23 samples were collected (including individual coral specimens, samples collected with the ROV slurp gun, and fossil corals) at 15 different stations.

Living Habitat Structure

Type **% Cover**

Nothing recorded.

Sediments

Type **% Cover**

Nothing recorded.

Geomorphology

Type **% Cover**

Nothing recorded.

Anthropogenic

Type/D

Nothing recorded.

Living Marine Resources Abundance

*None (0) Single (1) Few (2-10) Many (11-100) Abundant (>100)***Pelagic Fish****Other Benthic****Bottom Fish**

Nothing recorded.

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

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