

Activity Summary

CrsID

DASS2005

CrsProjID

OE_2005_085

Western Corner Rise (tentatively named Kull)

8/22/2005

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 09 (DASS2005_ACT0043) at Western Corner Rise

Activity Vitals

Dates/Times/Depth

Bndg Coordinates

System(s)

Scott France

Start 8/22/2005 16:06:00

North 35.5615

Hercules

Rhian Waller

End 8/23/2005 12:48:00

South -35.5498

Argus Camera ROV

Peter Auster

Time zone UTC UTC 00

East 51.8182

Data Collected

MaxDepth (m): -1854.0

West -51.8233

Samples
Multimedia
Data

Overall Dive

1 = 100%

Uniqueness

Health

Disturbance

Biodiversity

Relief Variability

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

Dive started on a steep basalt wall at 1854 m, rose through a series of walls and sediment terraces to the rim of the seamount plateau at approximately 1217 m. Corals and sponges were sparse overall but small areas of dense epifauna were encountered during the traverse. These areas were characterized by accelerated flows swept by exposed rock faces. The outer plateau of the seamount had relict sand waves with coarse sand and rubble in troughs. Overall, fish density was low but multiple species were observed throughout the dive.

Living Habitat Structure

Type % Cover

Nothing recorded.

Sediments

Type % Cover

Nothing recorded.

Geomorphology

Type % Cover

Nothing recorded.

Anthropogenic

Type/Density

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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