

Activity Summary

CrsID

LifeEdge2005

CrsProjID

OE_2005_083

Savannah Lithoherms

10/31/2005

**Continental Slope Coral Banks of the Southeastern United States:
Exploring the distributions. e**

Overview of Human Occupied Vehicle Dive JSL1-2005-4906 (LifeEdge2005_ACT0085) at Savannah

Activity Vitals

Dates/Times/Depth	Bndg Coordinates	System(s)
Start 10/31/2005 16:57:00	North 31.7763	Johnson-Sea-Link I Suction Sampler
End 10/31/2005 19:12:00	South 31.7755	
Time zone EDT UTC -04	East -79.1946	Data Collected Samples Multimedia Data
MaxDepth (m): -518.2	West -79.1945	

Participants

Steve Ross, Forward Observer
Andrea Quattrini, Aft Observer

Overall Dive Site Ratings

1 = low; 10 = high	
Uniqueness	
Health	
Disturbance	1
Biodiversity	3
Relief Variation (meters):	40

Objectives

Explore an area suspected of supporting deep coral communities; collect coral specimens for genetic analyses; collect fishes and invertebrates for Conduct video transects and collect coral specimens, fishes and invertebrates for genetic and stable isotope analyses.

Dive Track Description

This dive covered relatively little distance over the bottom. We landed on a ridge covered with coral rubble and scattered lumps of dead and live coral (mix of *Enallopsammia* and *Lophelia*). We traversed down-slope, collected, moved back to the top of the ridge and spent the rest of the dive moving along the top of the ridge (transects, video). Sparse live coral patches over coral rubble and sediment bottom.

Living Habitat Structure

Type	% Cover
Sponges	
Stony Corals	
Octocorals	
Dead Coral w/ encrusting	

Sediments

Type	% Cover
Fine Sand (.06mm -	
Silt (.004mm - .06mm)	

Geomorphology

Type	% Cover
mounds	
ridges	
sand	

Anthropogenics

Type/Description
Nothing recorded.

Living Marine Resources Abundance

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

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

Observations and Comments on Living Marine Resources:

No other comments.

Unique or Rare Invertebrates	Unique or Rare Vertebrates
Chaceon mating	Nothing recorded.

Fish Observation and Abundance

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

Laemonema, Scyliorhinus, Lophius, Squid, Chaemora, Setarches guentheri, Squalus spp., Nezumia sclerorhynchus, Dysomina spp.

Other Comments/Notes

NOAA Office of Ocean Exploration



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