

Islands in the Stream Expedition
2001 Field Season
Dive Summary

Lophelia Bank Pt1

9/23/2001

North Carolina Shelf: The Point, Steeples and Lophelia Banks, Islands in the Stream

Overview of Dive JSL2-4363 at Lophelia Bank Pt1

Don Liberatore piloted this dive with aft technician Frank Lombardo at the site known as Lophelia Bank Pt1 (34.32185 / -74.20616) on 9/23/2001 starting at 8:05:24. Total dive time was 3:34:36 and the maximum depth reached was 1229 feet. Scientific observers were Steve Ross and Fred Rohde. (All times EST)

Dive Objectives. Objectives accomplished during the dive include:

- Exploration/Recon
- Fish Assessment
- Benthic Assessment
- Filming
- Sample Collection

Data Collected. Types of data collected during the dive include:

Stills	15
CTD/Data Sonde	
Coral Fragments	
Digital Video Tapes	1 Suction samples in 3 buckets, Trap
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Living Marine Resources Abundance

few 2-10; many 11 - 100; abundant >100

Pelagic Fish	Many	Other Benthic
Bottom Fish	Many	
Crustacean	Abundant	
Mollusk	Few	
Echinoderm	Few	

Observations and Comments on Living Marine Resources:

General Comments

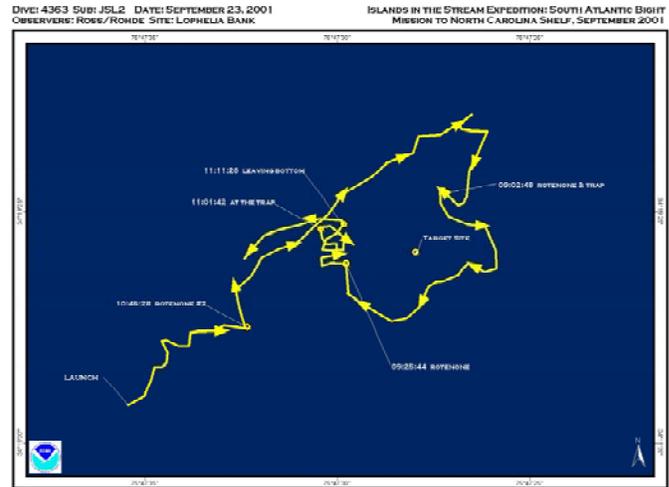
None.



Prepared by :
 National Oceanic and Atmospheric Administration
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Dive Track Description

Dive very close to last one(4362). Hit bottom on flat area at base of a 30 degree slope. Collected hatchefish and Myctophids on bottom. Moved up slope eventually up a 70-80 degree slope with increasing amounts of coral. Stayed at top of ridge most of dive trying to collect fish and do video. Later ran down a valley between two close ridge doing video and side camera work. Coral "bushes" and coral rubble everywhere with patches of sand. Did not move far and near end of dive ran over to site of dive 4362. Water fairly clear. Relief of features observed during the dive ranged from to 30 meters.



Observed Human Activities

Shipping

Observed Human Impacts

- Discarded Gear
- Garbage

Overall Dive Site Ratings

1 = low; 10 = high

Uniqueness	9
Health	8
Disturbance	6
Biodiversity	10

Observed Fish Abundance

few 2-10; many 11 - 100; abundant >100

Beryx splendens	Single
Conger sp.	Few
Geograpberyx	Many
Laemonema melanurum	Many