

Activity Summary

Cruise **biolum2009**

Project **Bioluminescence 2009**

Northwest Providence Channel

2009/07/24 16:00:00 EST - 2009/07/24 19:30:00 EST

Bioluminescence in the Deep-Sea Benthos

JSL2-3688

Activity Vitals

Dates/Times/Depth	Bndg	Coordinates	System(s)
Start 2009/07/24 16:00:00	North	26 24.5 N	Johnson Sea Link II
End 2009/07/24 19:30:00	South	26 24.5 N	
Time zone EST	East	77 48.4 W	Data Collected
MaxDepth (m) 2390	West	77 48.4 W	Multimedia
Operating Depth Range (m) 2000-2390			

Participants

Tammy Frank, Forward Observer
Angela Lewis, Aft Observer
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Overall Dive Site Ratings

1=low, 10=high

Uniqueness	No rating
Health	No rating
Disturbance	No rating
Biodiversity	No rating
Relief Variation (m)	

Objectives

Collect trap and collect specimens under red light, observe bioluminescence.

Dive Track Description

Muddy bottom with scattered crinoids and holothurians, occasional hard bottom outcroppings with crevices containing some shrimp and rare fish; didn't do much surveying, as objective of dive was to retrieve trap and collect crustaceans from rocky outcroppings.

Biological Comments

High diversity, very low abundance - very small zoanthids, crinoids, holothurians, shrimp in crevices and on rocky ledges (not all - unclear why some crevices are unoccupied on different ledges),
Saw one lobster, one brachyuran crab, 2 Bathynomus and 5 fish on entire dive

Geological Comments

Limestone ridges; came upon ridge approximately 100 feet high; some crevices, but unoccupied;

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)

Nothing recorded

Observations and Comments on Living Marine Resources

No other comments.

Unique or Rare Invertebrates

Nothing recorded.

Unique or Rare Vertebrates

Nothing recorded.

Fish Observation and Abundance

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

Nothing recorded

Other Comments/Notes

No additional comments.