

Activity Summary

Cruise **biolum2009**

Project **Bioluminescence 2009**

Northwest Providence Channel

2009/07/24 08:00:00 EDT - 2009/07/24 11:30:00 EDT

Bioluminescence in the Deep-Sea Benthos

JSL2-3687

Activity Vitals

Dates/Times/Depth	Bndg	Coordinates
Start 2009/07/24 08:00:00	North	26 24.5 N
End 2009/07/24 11:30:00	South	26 24.5 N
Time zone EDT	East	77 48.4 W
MaxDepth (m) 2280	West	77 48.4 W
Operating Depth Range (m) 2224-2280		

System(s)
Johnson Sea Link II
Data Collected
Multimedia

Participants

Edie Widder, Forward Observer
Erika Raymond, 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

Deploy Eye in the Sea camera system.

Collect specimens for bioluminescence testing.

observe bioluminescence.

Dive Track Description

Dive started on sandy slope. Moved up and over slope until we found a flat spot to deploy ORCA's Eye-in-the-Sea. When we set down on bottom raised huge cloud of silt. Current lees than 0.1 kt so to a lonk time to clear. Very sparse life but high diversity mostly along low rocky ledges. Holes in rocks contained individual shrimp. One had a large cusk eel. Collected spiral coral, sea cucumbers, crinoids. Saw a couple (or one twice) 6-gill sharks, a few euphausiids and small viperfish and bathocyroe in water column. Very little BL on bottom. More in water column.

CTD not working

Biological Comments

No biological comment recorded.

Geological Comments

No geological comment recorded.

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.