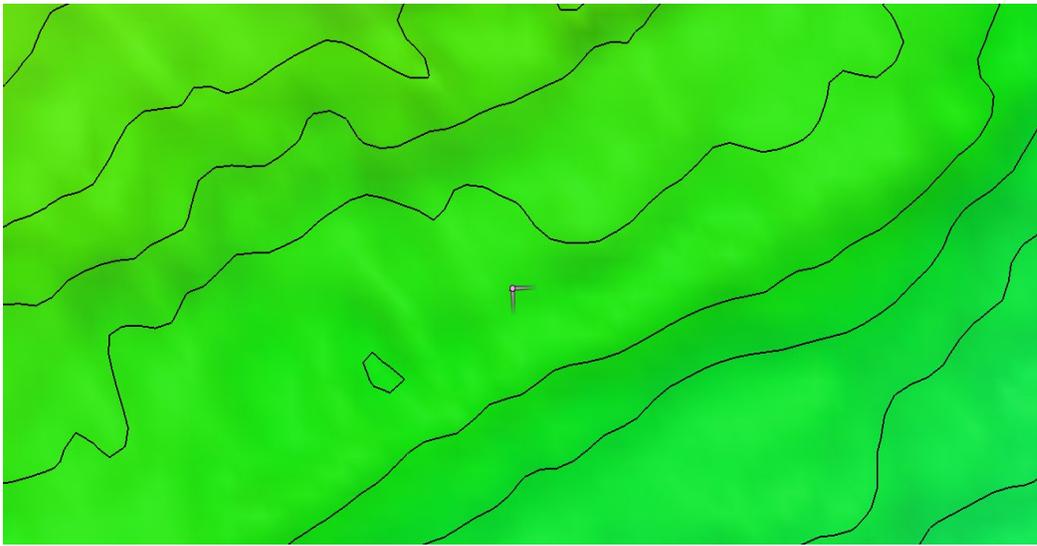




Okeanos Explorer ROV Dive Summary: EX-19-04, Dive 04, July 29, 2019

Dive Information

General Location Map	
General Area Descriptor	U.S. Northeast
Site Name	East of Mytilus Seamount
Science Team Leads	Michael Jakuba (WHOI), James Partan (WHOI), LCDR Chris Dolan (WHOI/USN)
Expedition Coordinator	Michael P. White (NOAA-OER)
ROV Dive Supervisor	Daniel Rogers (GFOE)
Mapping Lead	Michael P. White (NOAA-OER)

ROV Dive Name

Cruise	EX1904
Dive Number	DIVE04

Equipment Deployed

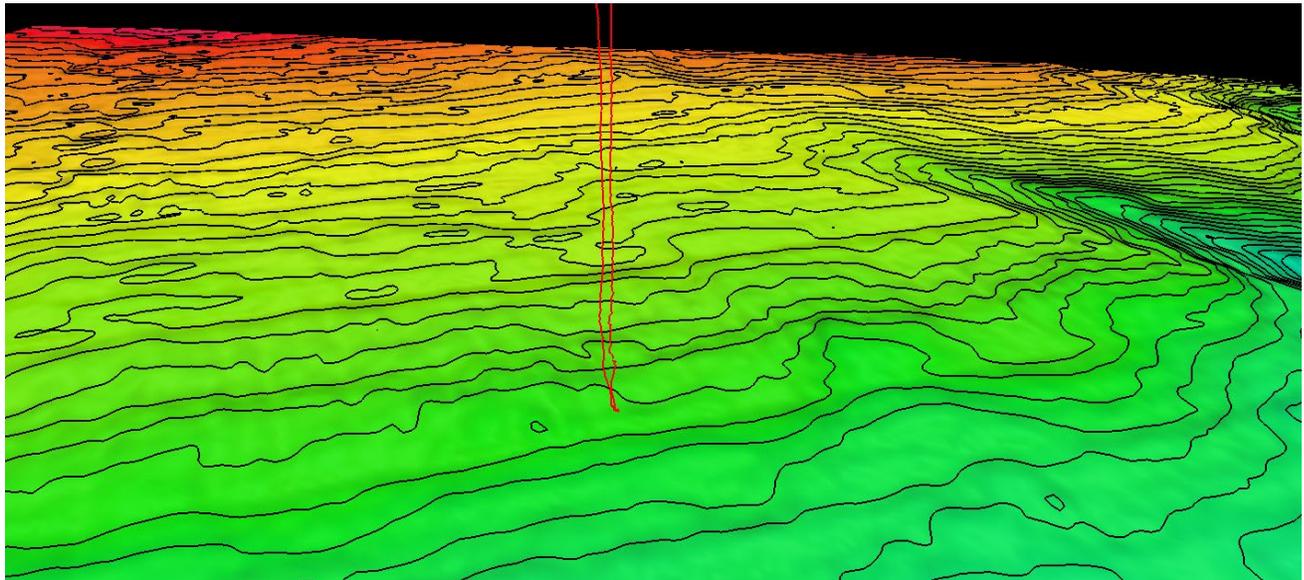
ROV	<i>Deep Discoverer</i>
Camera Platform	<i>Seirios</i>

Dive Purpose	Testing of Woods Hole Oceanographic Institution One-Way-Travel-Time inverted ultra-short-baseline (OWTTIUSBL last accessed May 2020)
Dive Description	Vehicles touched on bottom. Most of the dive was spent towing the vehicles at pre-determined depth intervals. Dive was originally planned for the flanks of Mytilus Seamount, but due to elevated surface currents was most to the east until the ADCP data showed more favorable conditions.
Notable Observations	



Community Presence/Absence (community is defined as more than two species)	Corals and Sponges - No Chemosynthetic Community - No High biodiversity Community - No Active Seep or Vent - No Extinct Seep or Vent - No Hydrates - No
Feature Type	Flat

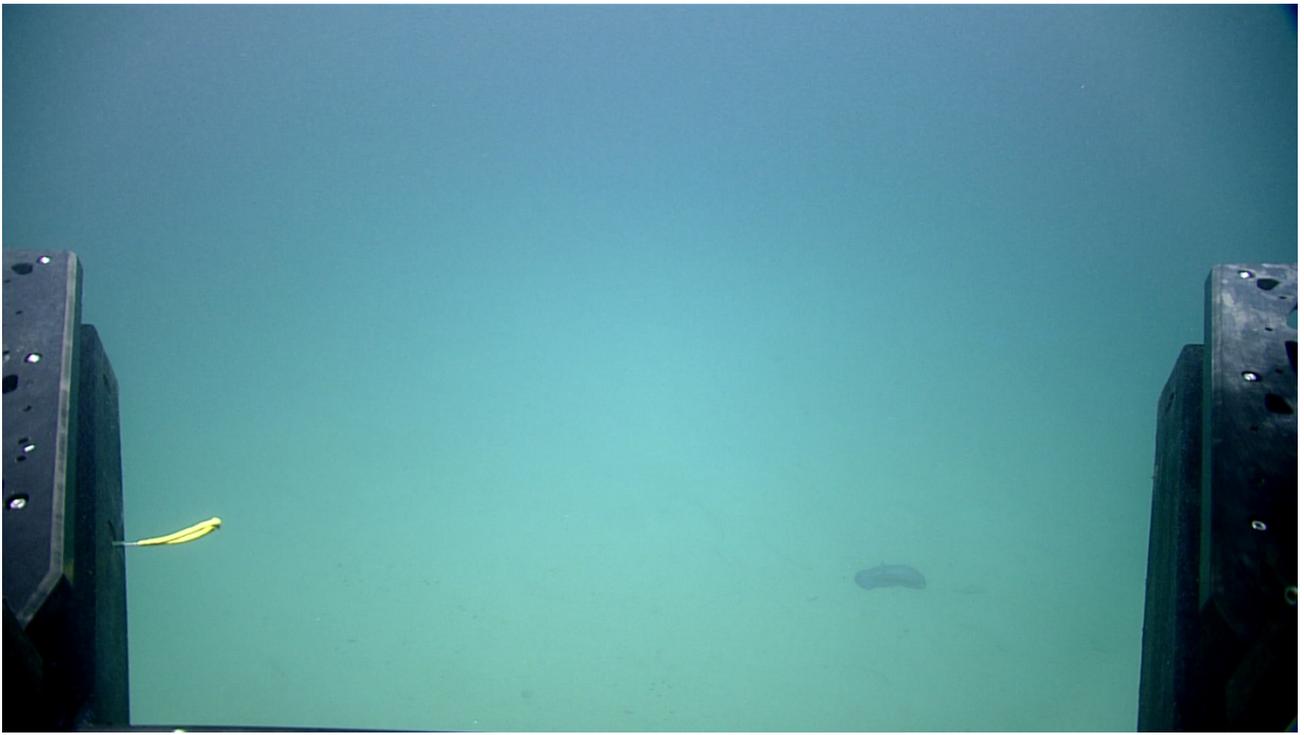
Close-up Map of Main Dive Site



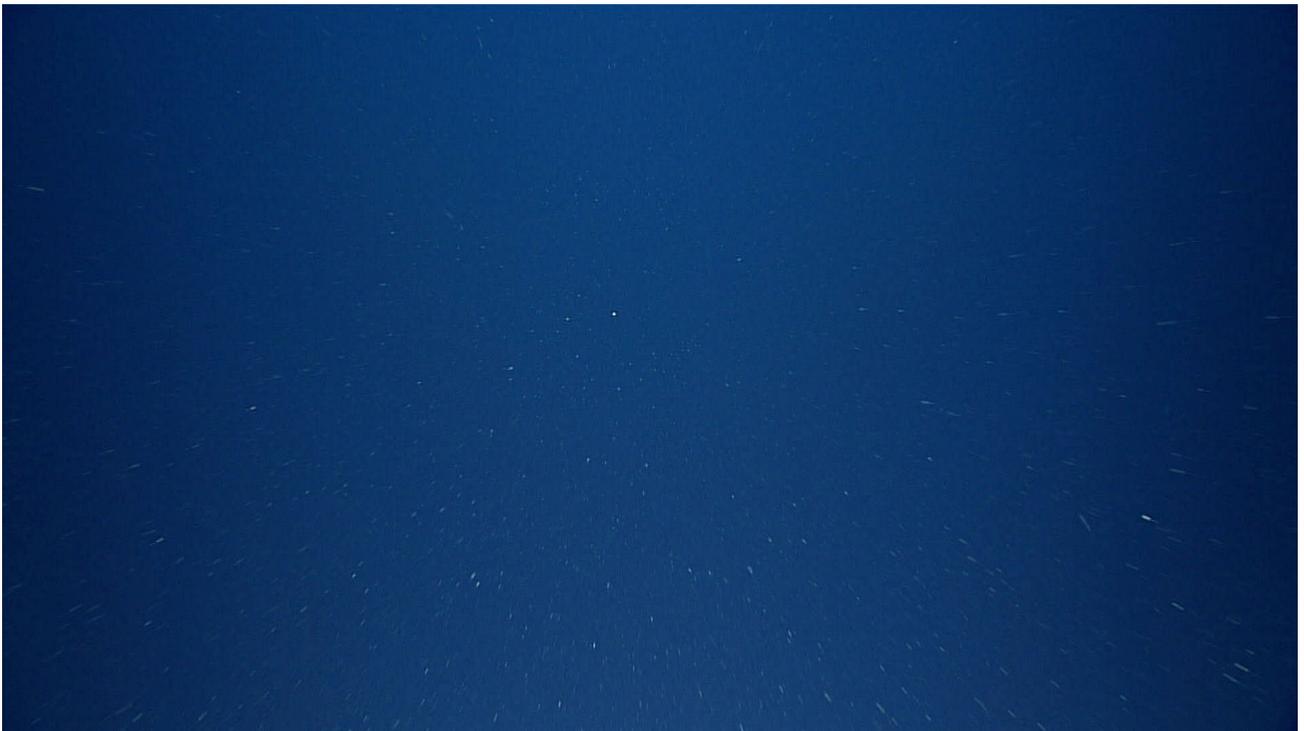
Bathymetry with 1 Hz ROV Dive track in red. Vertical exaggeration 3x, 10 meter depth contours in black, 30 meter cell size.



Representative Photos of the Dive



One of the few images of bottom on Dive 04



Most of Dive 04 was spent in the water column.

Samples Collected - No samples were collected on EX1904



Please direct inquiries to:

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**Ocean Exploration
and Research**