

# Okeanos Explorer ROV Dive Summary: EX-19-04, Dive 05, July 30, 2019

# **Dive Information**

General Location Map	
General Area Descriptor	U.S. Northeast
Site Name	Incised Channel South of Veatch Canyon
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	DIVE05

### **Equipment Deployed**

ROV	Deep Discoverer	
		1

Camera Platform	Seirios		
ROV Measurements	KTD	<b>√</b> Depth	<b>✓</b> Altitude
	✓canning Sonar	✔JSBL Position	⊮Heading
	₽itch	roll	✔HD Camera 1
	✔HD Camera 2	✔ow Res Cam 1	✔Low Res Cam 2
	✔ow Res Cam 3	✔ow Res Cam 4	✔ow Res Cam 5
Equipment Malfunctions	None		
ROV Dive Summary	Dive Summary:	EX1904_DIVE05	
Data (from	^^^^^	~~~~~	
Processed ROV)	In Water: 2019-0	07-30T13:01:48.638814	
		39°, 1.953' N ; 69°, 17.282' W	
	On Bottom:	2019-07-30T14:43:45.495996	5
		39°, 1.96' N ; 69°, 17.665' W	
	Off Bottom:	2019-07-30T16:13:24.957320	
		39°, 1.715' N ; 69°, 17.515' W	
	Out Water: 2019-0	7-30T20:32:36.358824	
		39°, 1.016' N ; 69°, 16.644' W	
	Dive duration:	7:30:47	
	Bottom Time:	1:29:39	
	Max. depth:	2957.0 m	
Special Notes	Water column transects		

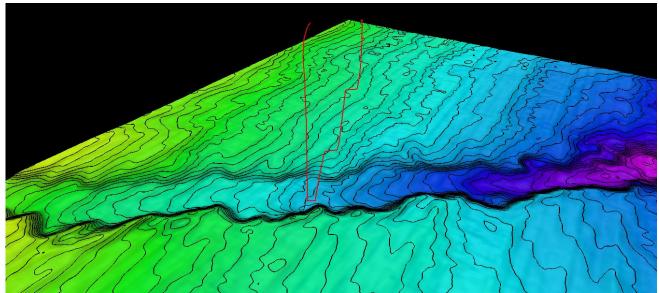


Dive Purpose	Testing of Woods Hole Oceanographic Institution One-Way-Travel-Time inverted ultra-short-
Dive Pulpose	baseline ( <u>OWTTIUSBL</u> last accessed May 2020)
	baseline ( <u>OWINOSDE</u> last accessed liviay 2020)
Dive Description	Vehicles touched on bottom. Most of the dive was spent towing the vehicles at pre-determined
	depth intervals.
Notable	
Observations	



Community	Corals and Sponges - No
Absence (community is defined as more than two	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 6x, 10 meter depth contours in black, 100 meter cell size.



#### **Representative Photos of the Dive**



Image mid-water transects during Dive 05

## Samples Collected - No samples were collected on EX1904

#### Please direct inquiries to:

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