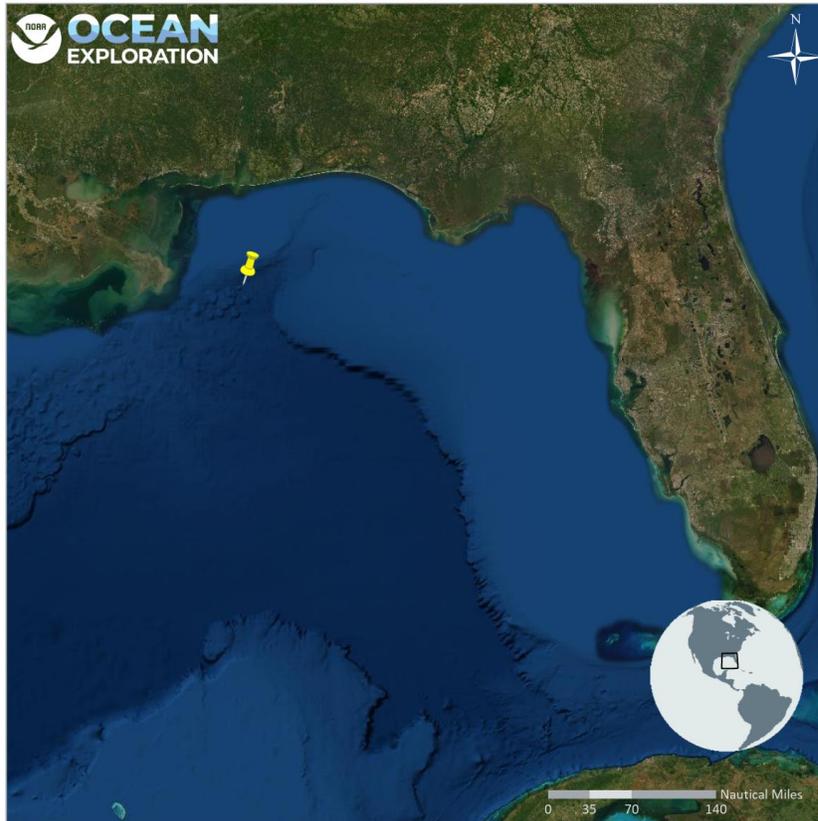


# ROV Dive Summary, EX-2201, Dive 01, February 24, 2022

## General Location Map



## Dive Information

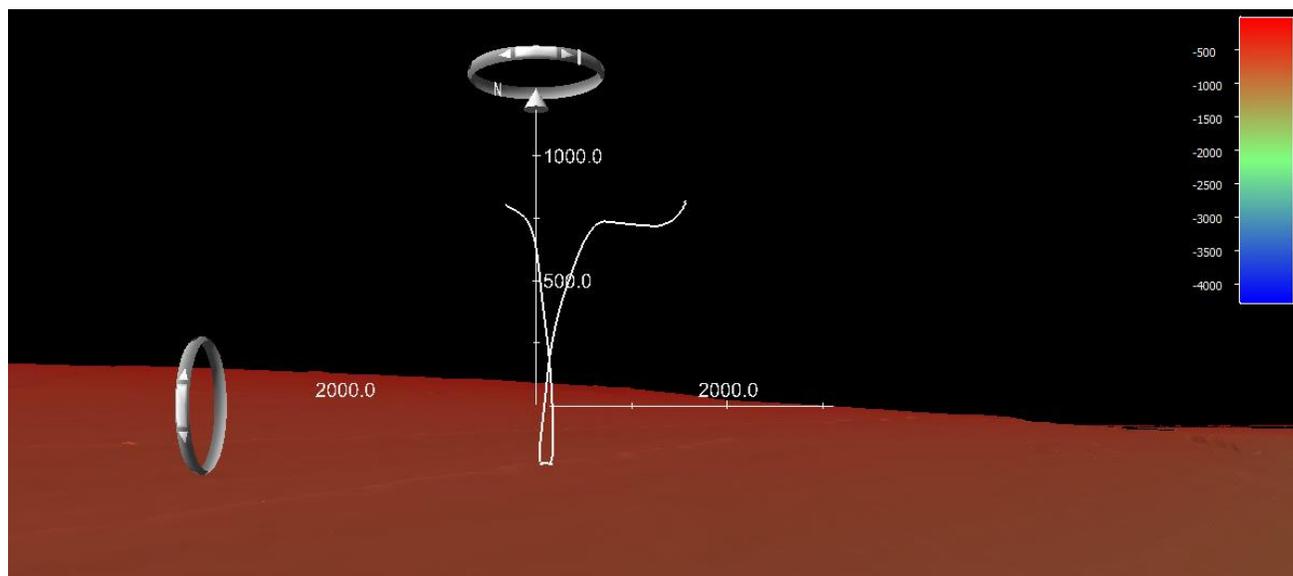
Site Name	Mississippi Mud
General Area Descriptor	Northern area of Gulf of Mexico
Science Team Leads	Karl McLetchie
Expedition Coordinator	Kimberly Galvez
ROV Dive Supervisor	Karl McLetchie
Sample Data Manager	Anna Lienesch
Mapping Lead	Sam Candio/Thomas Morrow



## Equipment Deployed

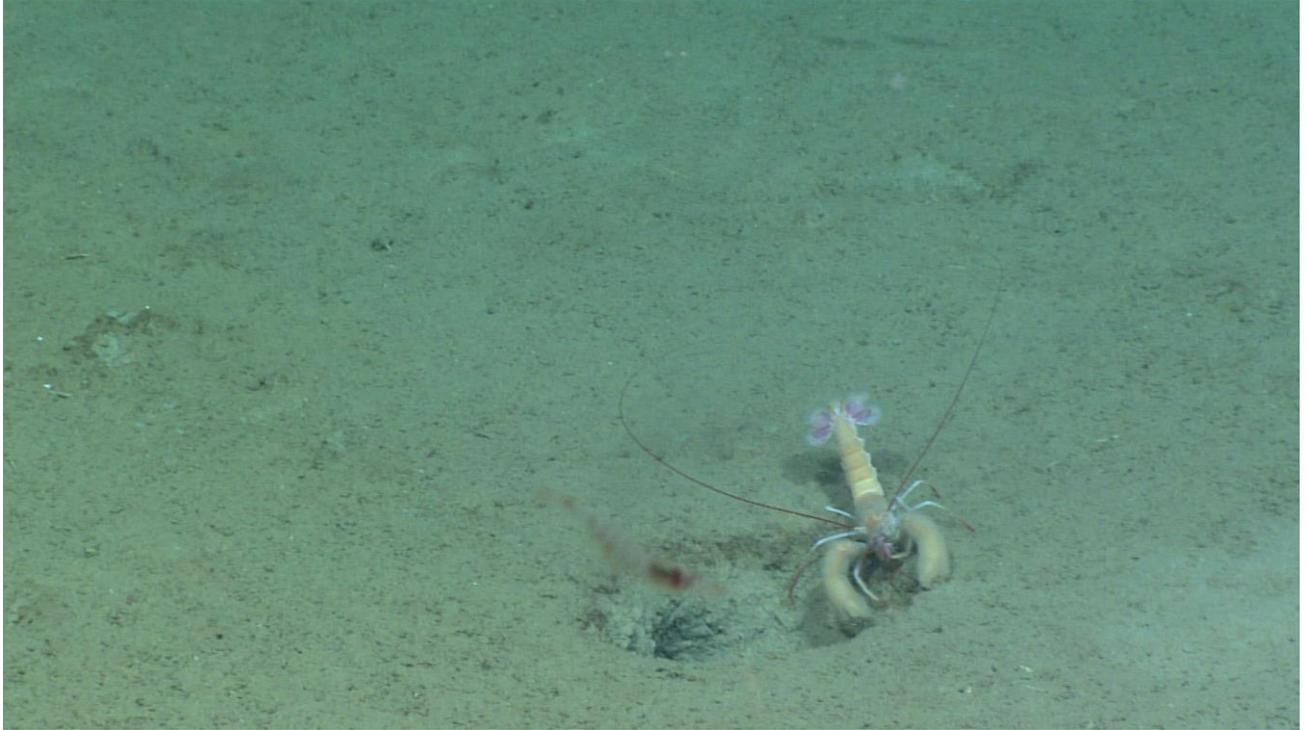
ROV	<i>Deep Discoverer</i>
Camera Platform	<i>Seirios</i>
ROV Measurements	The following ROV measurements, data streams and equipment are used on each ROV deployment: CTD, depth, scanning sonar, USBL position, altitude, heading, attitude, high-resolution cameras, low resolution cameras, manipulator arms, suction sampler, sample drawers and thrusters. The section below notes if any of these sensors were malfunctioning or not operational
Equipment Malfunctions	Software issue caused delay. Starboard rail camera cut out.

## Close-up Map of Main Dive Site



Smoothed ROV dive track in white on 3x vertical exaggeration, depth in meters.

## Representative Photos of the Dive



A fuzzy-like arms white with a pink tone lobster was observed coming out of a burrow and retreated when faced with D2 with a shrimp in the foreground (blurry).



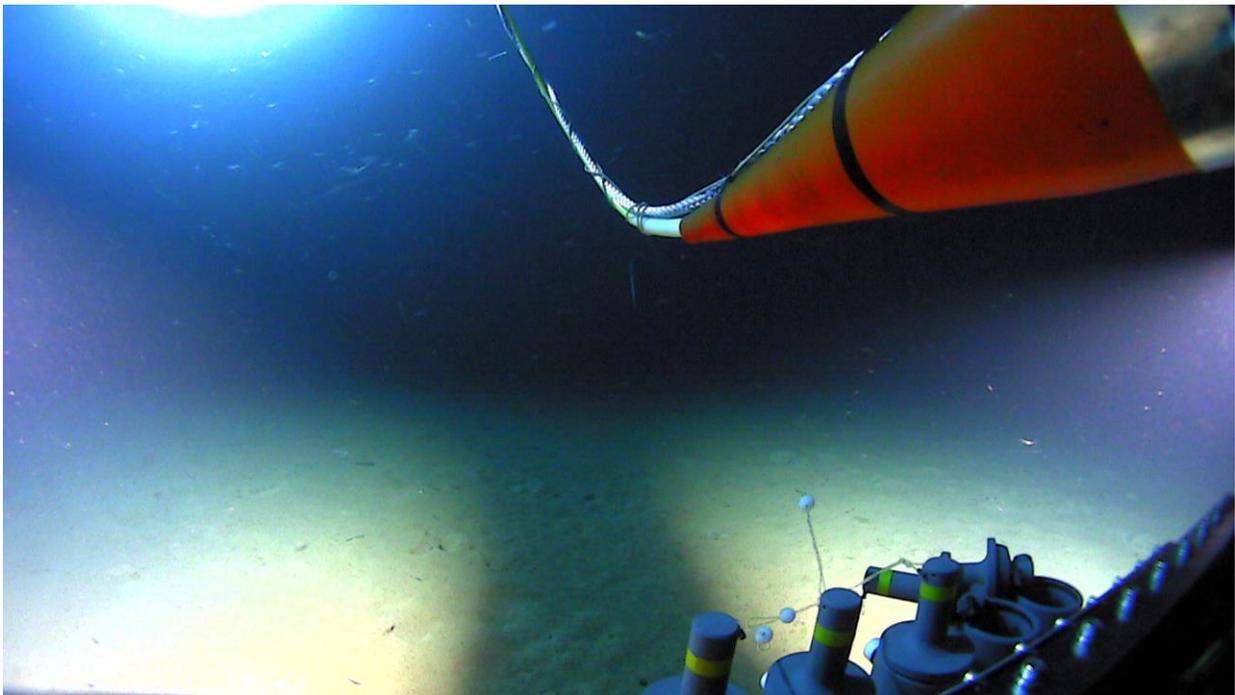
A purple-white sea anemone was observed with a long foot dug into the sediment.

## Samples Collected -

None.

## Niskin Sampling Summary

Sample ID	EX2201_D01_01W
Date (UTC)	20220224
Time (UTC)	20:43:41
Depth (m)	489.5453
Latitude (decimal degrees)	29.212418
Longitude (decimal degrees)	-87.873304
Bottle number	NISKIN 1
Temperature (°C)	7.93663
Dissolved Oxygen (ml/L)	2.597469
Treatment	eDNA collection



### Scientists Involved (provide name, email, affiliation)

Name	Email	Affiliation
None		

### Please direct inquiries to:

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