

ROV Dive Summary, EX-22-01, Dive 03, February 26, 2022

General Location Map



Dive Information

Site Name	Canyon Terrace
General Area Descriptor	West Florida Shelf - 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
Dive Purpose	Engineering focus

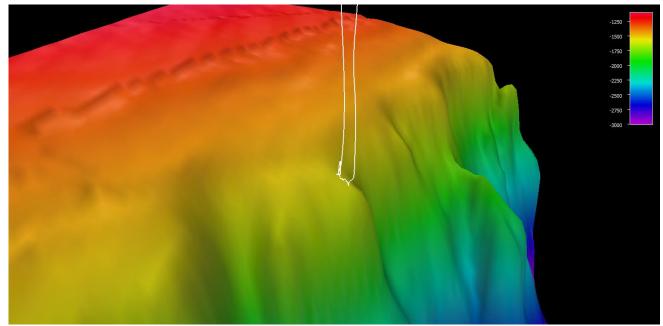
Was the dive restricted for Underwater Cultural Heritage?	No
ROV Dive Summary Data	Dive Summary: EX2201_DIVE03 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Dive Description	Distance Traveled: 224.6 m Dive 03 was engineering focused. Once the ROV reached bottom, unconsolidated coarse to medium grained carbonate sediment was observed. Pteropod shells were scattered about within the sediment. Four corals were observed (two bamboo and one octocoral and one unknown with a sponge on top) with associates such as shrimp and amphipods. A holothorian (headless chicken monster) was observed. A single-stalked pinkish coral was seen with a glass sponge on top of the stalk and a squat lobster.
Notable Observations	A holothorian (headless chicken monster) was observed. A single-stalked pinkish coral was seen with a glass sponge on top of the stalk and a squat lobster.
Community and habitat observations	Corals and Sponges - Present Chemosynthetic Community - Absent High biodiversity Community - Absent Active Seep or Vent - Absent Extinct Seep or Vent - Absent Hydrates - Absent
CMECS Feature Type(s) SeaTube Link (science annotation system)	coarse to fine-grained unconsolidated carbonate sediment https://data.oceannetworks.ca/SeaTubeV3?resourceTypeId=600&resourceId=5880



Equipment Deployed

ROV	Deep Discoverer
Camera Platform	Seirios
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	None.

Close-up Map of Main Dive Site



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

Representative Photos of the Dive





Finely branched Bamboo coral seen with the stem in the unconsolidated carbonate sediment with pteropod shells scattered around.



Unidentified coral with a glass sponge on top and a squat lobster.



Samples Collected -

None.

Niskin Sampling Summary

None.

Scientists Involved (provide name, email, affiliation)

Name	Email	Affiliation
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