

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 |

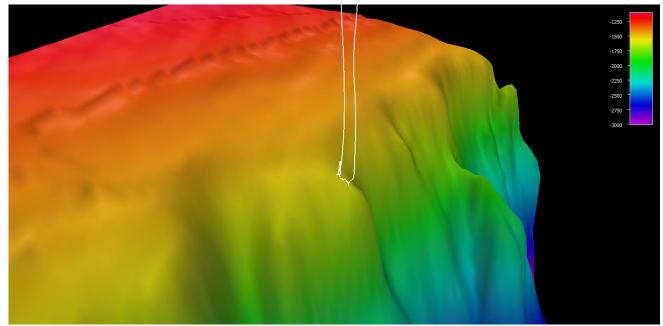
| Was the dive restricted for Underwater Cultural Heritage? | No |
|---|---|
| ROV Dive Summary Data | Dive Summary: EX2201_DIVE03 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA |
| Dive Description | Distance Traveled: 224.6 m Dive 03 was engineering focused. Once the ROV reached bottom, unconsolidated coarse 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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