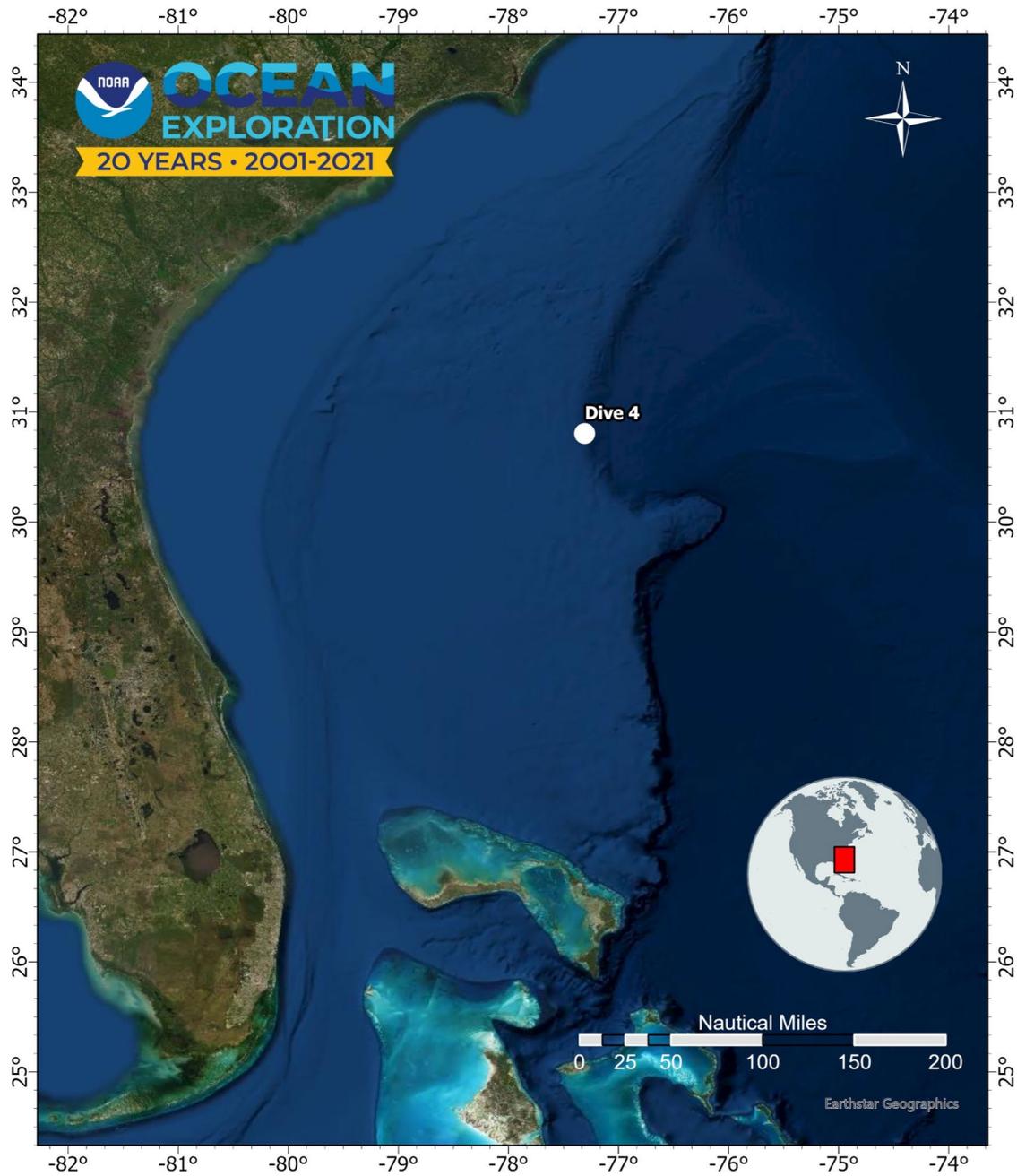


ROV Dive Summary, EX-21-07, Dive 04, November 02, 2021

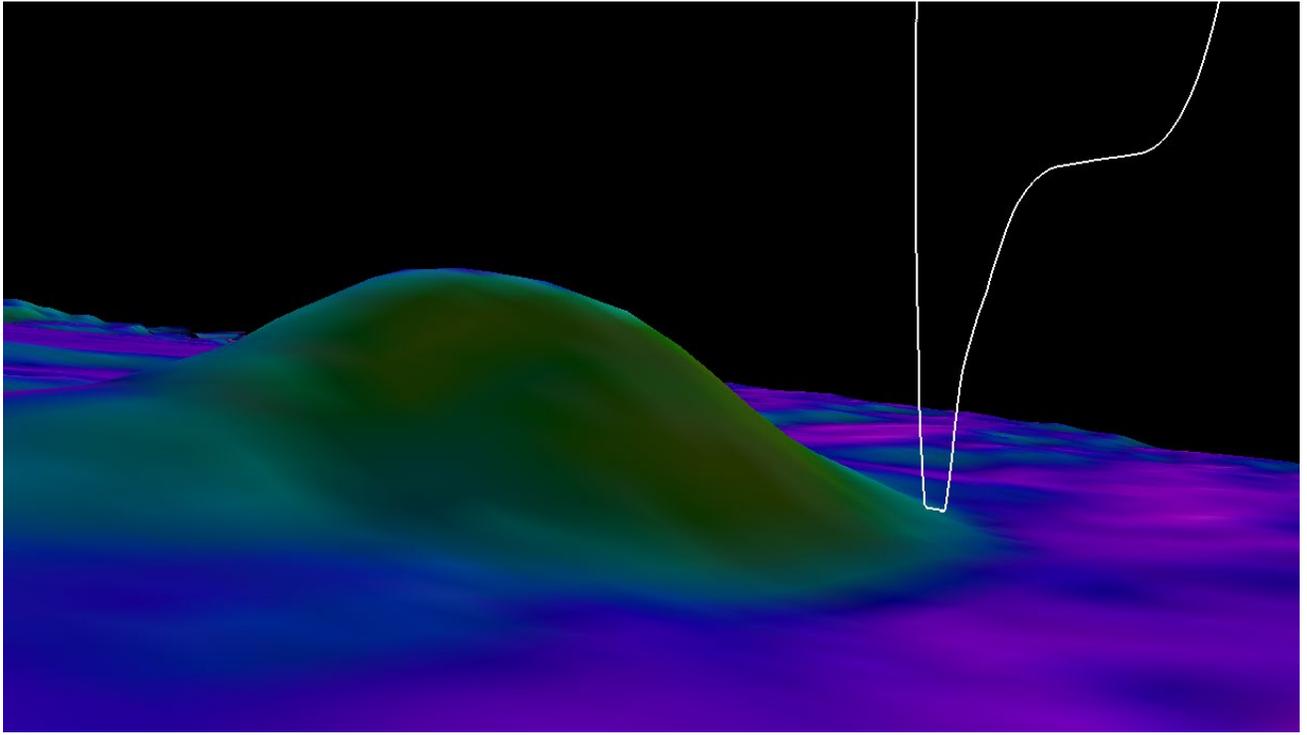
General Location Map



| | |
|--|--|
| Dive Description | <p>Dive was launched. At about 50 m off the bottom, the D2 ROV had a technical problem, necessitating the return of D2 and Seirios to the surface for D2 repair. Dive 4 ended early.</p> <p>Bottom was thick, sand with wave ripples and a few patches of large > 1 m slab-like boulders. Bottom was in sight but never reached.</p> <p>One water sample was collected at 1000 m on descent and was processed normally (DNA filtered from water and preserved for further processing) on ship. The plan called for collection of this water sample at 500 m (as for all other dives during EX2107), but target depth missed.</p> <p>EX2107_D04_01W</p> |
| Notable Observations | |
| Community and habitat observations | <p>Corals and Sponges - Absent</p> <p>Chemosynthetic Community - Absent</p> <p>High biodiversity Community - Absent</p> <p>Active Seep or Vent - Absent</p> <p>Extinct Seep or Vent - Absent</p> <p>Hydrates - Absent</p> |
| CMECS Feature Type(s) | Flat, Plateau |
| SeaTube Link (science annotation system) | https://data.oceannetworks.ca/SeaTubeV3?resourceTypeId=600&resourceId=2453 |

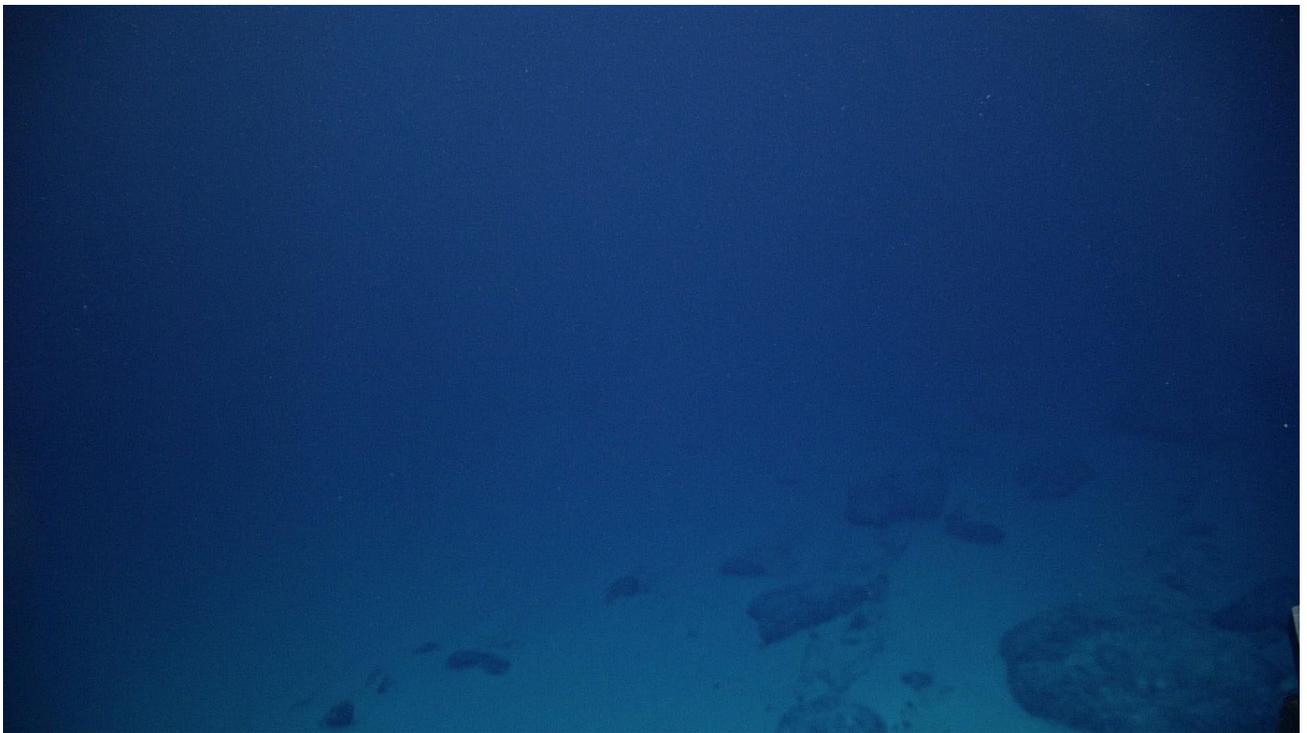
Equipment Deployed

| | |
|------------------------|--|
| 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 | |

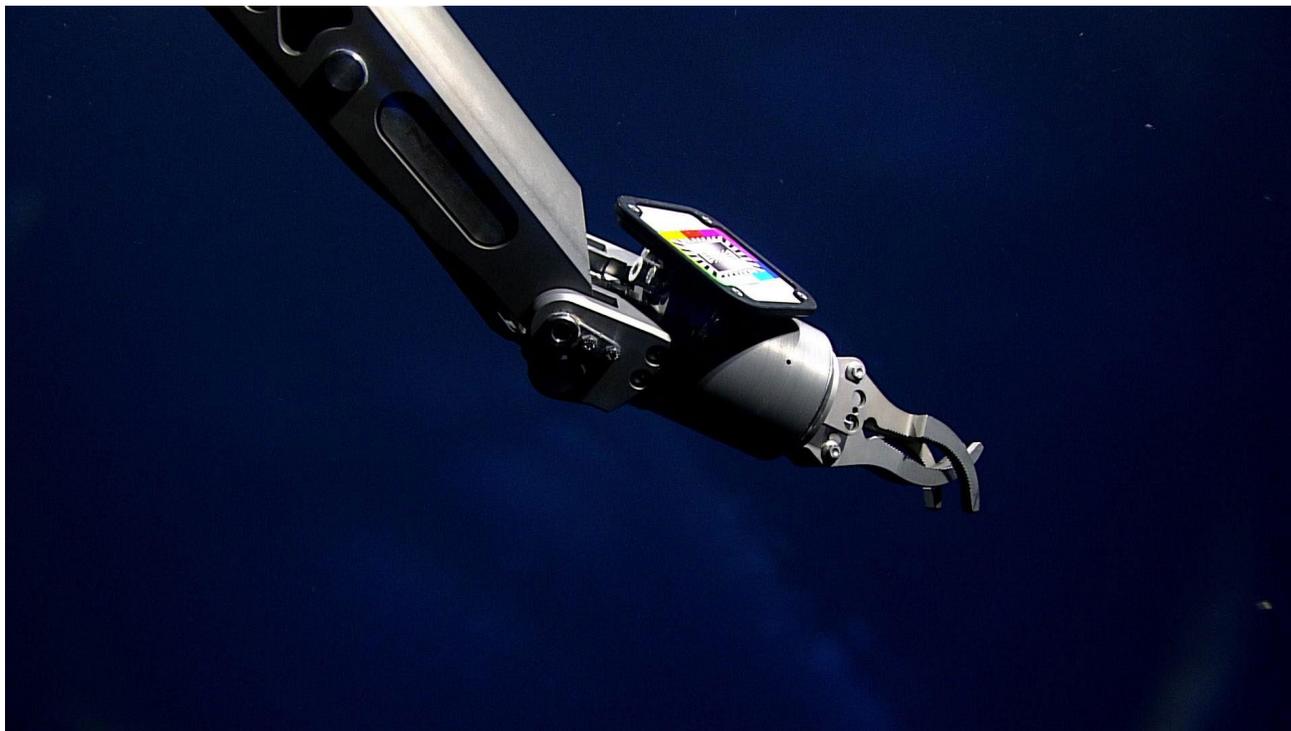


Smoothed ROV dive track in white on bathymetry, 3x vertical exaggeration.

Representative Photos of the Dive



Samples Collected -



| | |
|-----------------------------|----------------|
| Sample ID | EX2107_D04_01W |
| Date (UTC) | 20211102 |
| Time (UTC) | 13:09 |
| Depth (m) | 1003.093 |
| Latitude (decimal degrees) | 30.805570 |
| Longitude (decimal degrees) | -77.302900 |
| Temp. (°C) | 7.144 |
| Field ID(s) | Water Sample |
| Comments | eDNA |

| Associates Sample ID | Field Identification | Count |
|----------------------|----------------------|-------|
| N/A | N/A | N/A |

Scientists Involved (provide name, email, affiliation)

| First Name | Last Name | Email | Affiliation |
|------------|-----------|---------------------------|--------------------------------------|
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