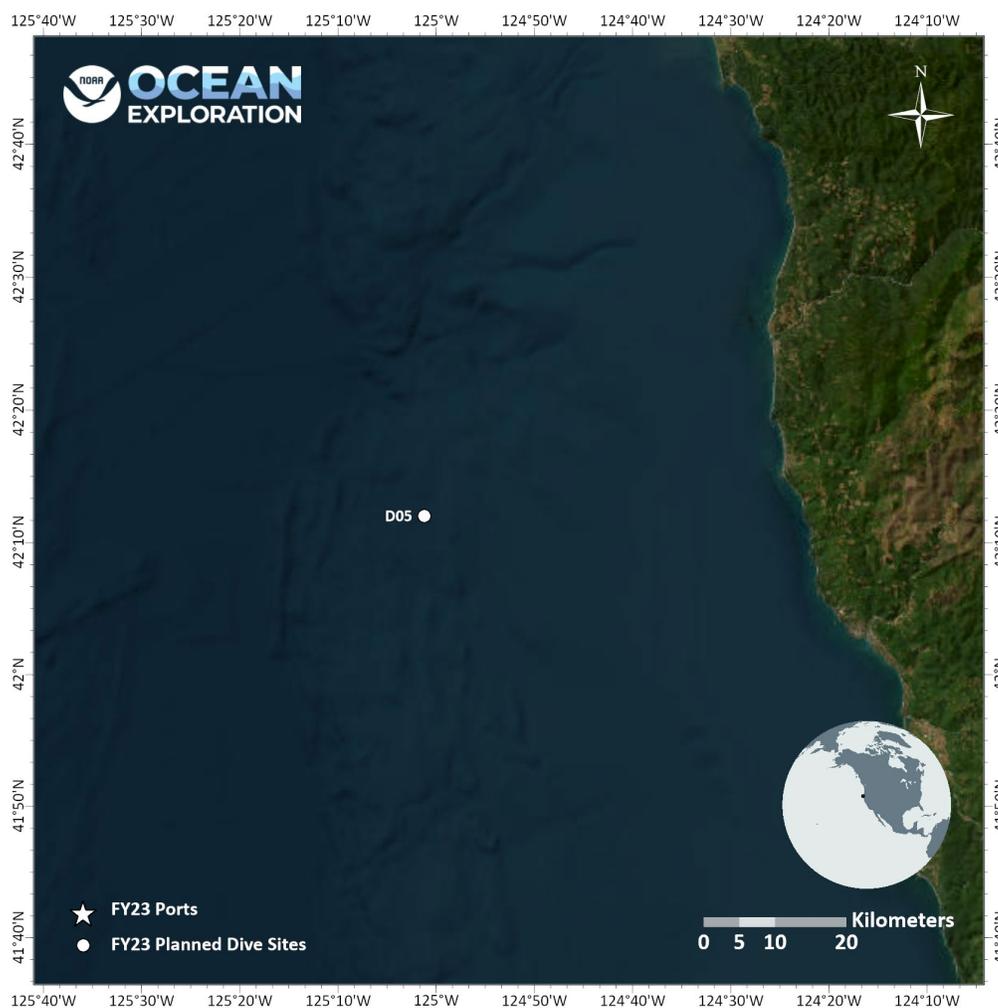


# ROV Dive Summary

## EX2301, Dive 05, April 21, 2023

### General Location Map



### Dive Information

Site Name	Horseshoe (Shakedown)
General Area Descriptor	Continental slope with bottom around 1880m depth
Science Team Leads	Alexis Weinnig, Paige Koenig

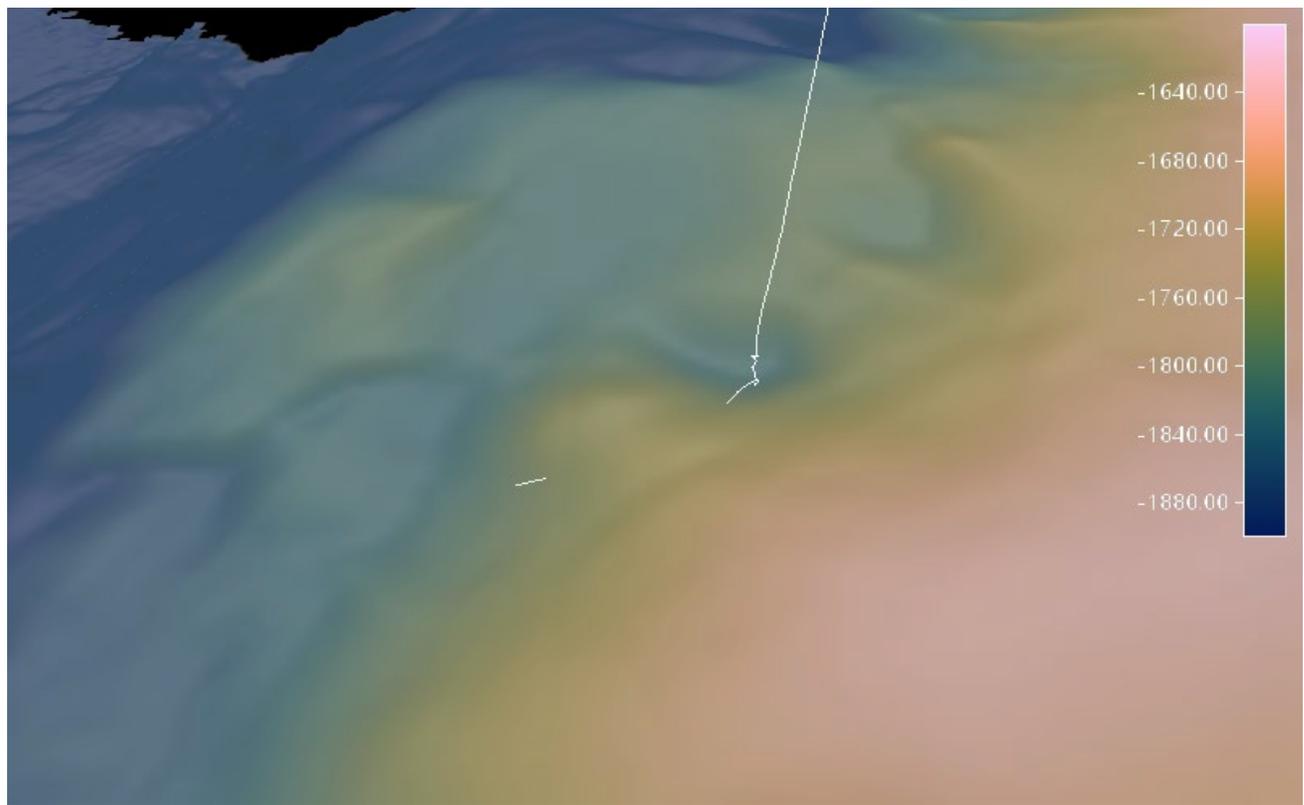


Community and Habitat Observations	Corals and Sponges — Present Chemosynthetic Community — Absent High biodiversity Community — Absent Active Seep or Vent — Absent Extinct Seep or Vent — Absent Hydrates — Absent
CMECS Feature Type(s)	Slope
SeaTube Link (science annotations)	<a href="https://data.oceannetworks.ca/SeaTubeV3?resourceTypeId=600&amp;resourceId=2793">https://data.oceannetworks.ca/SeaTubeV3?resourceTypeId=600&amp;resourceId=2793</a>

## Equipment Deployed

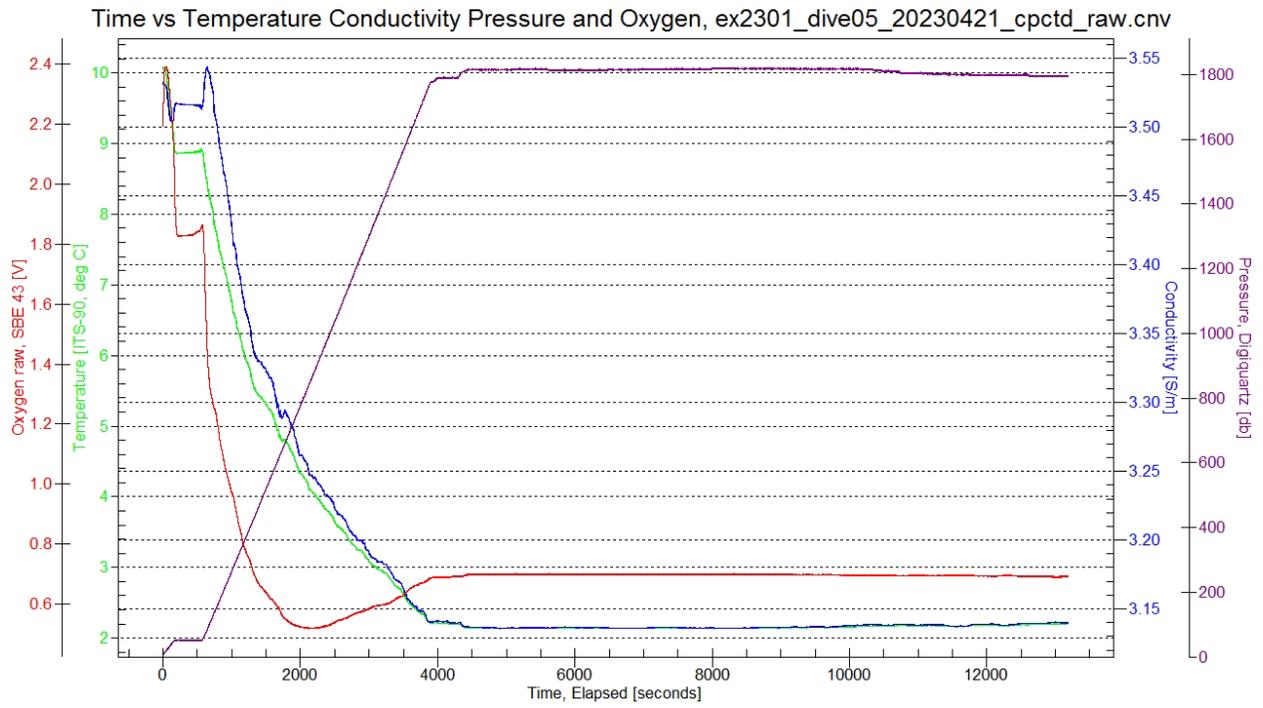
ROV	<i>Deep Discoverer</i>
Camera Platform	<i>Seirios</i>
ROV Measurements	The following ROV measurements, data streams and equipment are used on each ROV deployment: CTD, depth, scanning sonar, USBL position, altitude, heading, attitude, high-resolution cameras, low resolution cameras, manipulator arms, suction sampler, sample drawers and thrusters. The following row notes if any of these sensors were malfunctioning or not operational
Equipment Malfunctions	Vehicles lost power during the dive and were recovered without incident.

## Close-Up Map of Main Dive Site



Main dive site for ROV shakedown on 50m bathymetry, depth in meters. 2X vertical exaggeration.

# Sound Speed Manager Image of ROV CTD Profile



ROV CTD profiles for Dive 05

## Representative Photos of the Dive



White holothurian imaged on dive 05.



Anemone and shrimp on the seafloor.

## Samples Collected

N/A

## Niskin Sampling Summary

N/A

## Scientists Involved

Name	Email	Affiliation
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