

ROV Dive Summary

EX2502, Dive 06, March 24, 2025

Dive Information

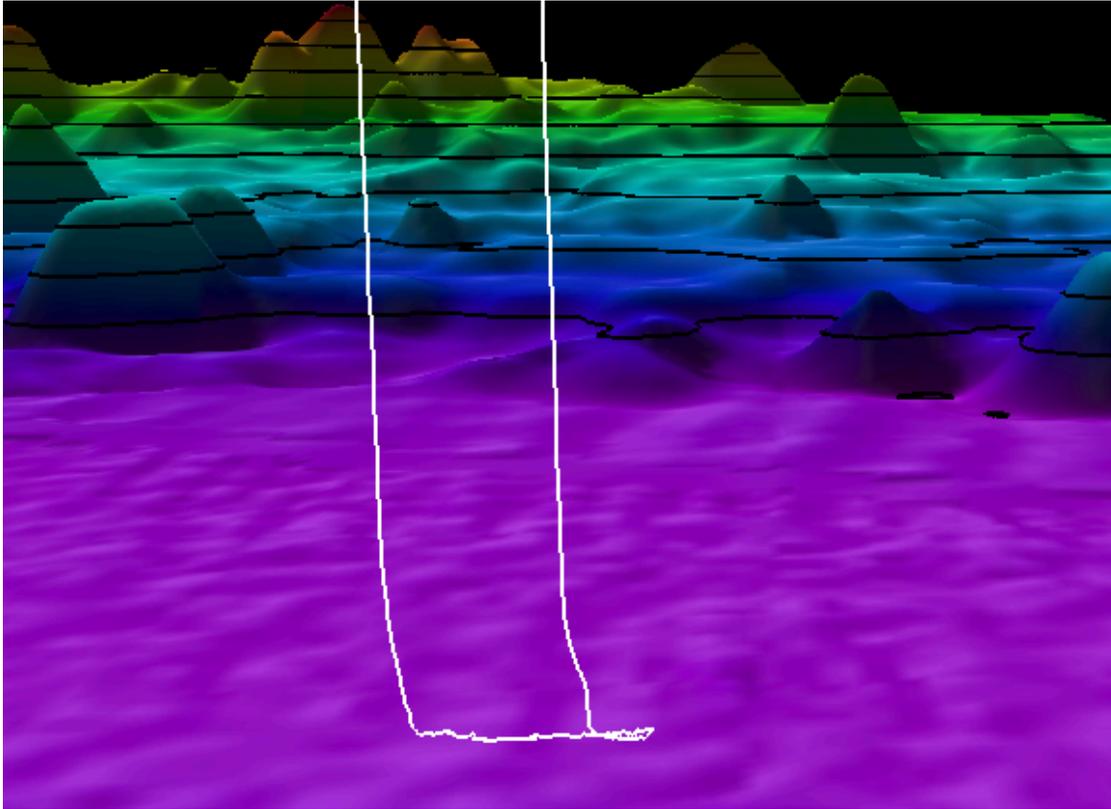
Site Name	USS Nevada
General Area Descriptor	Hawaiian Islands
Science Team Leads	Trish Albano, Caitlin Ruby, Jennifer Green, Sahara Rios-Bonilla, Mike Brennan,
Expedition Coordinator	Shannon Hoy
ROV Dive Supervisor	Chris Ritter
Dive Purpose	Shakedown
Maritime Heritage Restrictions	Yes
ROV Dive Summary Data	<p>Dive Type: Normal</p> <p>In Water: 2025-03-24T18:24:00.661352</p> <p>On Bottom: 2025-03-24T21:01:16.425165</p> <p>Off Bottom: 2025-03-25T01:55:53.654238</p> <p>Out Water: 2025-03-25T04:31:31.020388</p> <p>Dive Duration: 10:07:30</p> <p>Bottom Time: 4:54:37</p> <p>Max Vehicle Depth: 4683.4 m</p> <p>Min Seafloor Depth: 4675.7 m</p> <p>Distance Travelled: 890.7 m</p>
Dive Description	<p>Dive06 we explored the USS Nevada, located at ~4600 m for the sixth dive of the expedition. After ground-truthing the location of the main hull, the ROV pilots and navigators expertly navigated the sprawling debris field. This is expected to be the deepest shipwreck explored by D2. No samples were collected due to the restricted location.</p>
Notable Observations	<p>Wreck hull (upside down) with large debris field containing: parts of superstructure, gun tub, radar antennae mount, tripod masts, rubber hose, electronic cabling harness, sections of bulkhead, railing, ladders, teak decking, portholes, steel boxes, bed springs, and turret base. Rusticles on ship wreck. Many anemones and a Tiburonia jellyfish.</p>

Community and Habitat Observations	Corals and Sponges — Absent Chemosynthetic Community — Absent High biodiversity Community — Absent Active Seep or Vent — Absent Extinct Seep or Vent — Absent Hydrates — Absent
CMECS Feature Type(s)	Wreck
SeaTube Link (science annotations)	https://data.oceannetworks.ca/app/dive-logs/705

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.
Equipment Malfunctions	

Close-Up Map of Main Dive Site



Smoothed ROV dive track in white on 50x50 cell size bathymetry, 3x vertical exaggeration, depth in meters, 100 meter contours.

Representative Photos of the Dive



Cleat on *USS Nevada* anemone.



Mattress from *USS Nevada* on seafloor.



Detached structure from *USS Nevada* main hull.

Scientists Involved

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