

Okeanos Explorer ROV Dive Summary

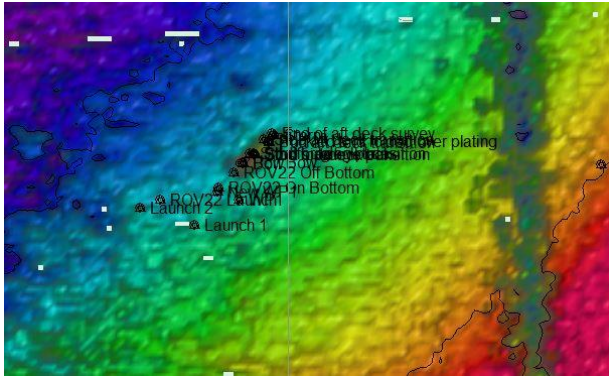
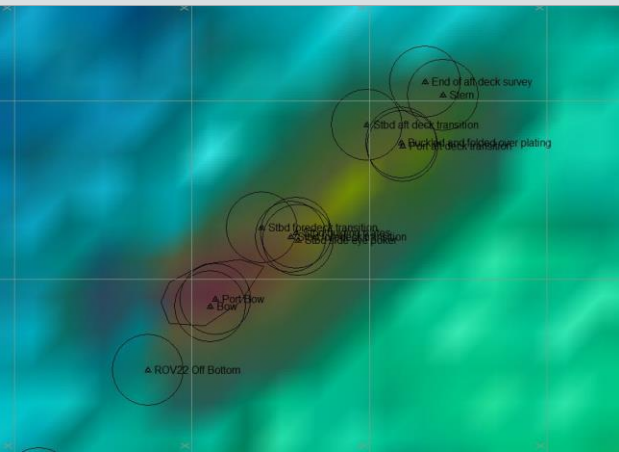


Dive Information			
General Location			
General Area Descriptor	Oahu		
Site Name	USS Baltimore		
Science Team Leads	John Smith/Meagan Putts		
Expedition Coordinator	Kasey Cantwell		
ROV Dive Supervisor	Karl McLetchie		
Mapping Lead	Mike White		
ROV Dive Name			
Cruise	EX1708		
Leg	-		
Dive Number	DIVE22		
Equipment Deployed			
ROV	Deep Discoverer		
Camera Platform	Seirios		
ROV Measurements	<input checked="" type="checkbox"/> CTD	<input checked="" type="checkbox"/> Depth	<input checked="" type="checkbox"/> Altitude
	<input checked="" type="checkbox"/> Scanning Sonar	<input checked="" type="checkbox"/> USBL Position	<input checked="" type="checkbox"/> Heading

	<input checked="" type="checkbox"/> Pitch	<input checked="" type="checkbox"/> Roll	<input checked="" type="checkbox"/> HD Camera 1
	<input checked="" type="checkbox"/> HD Camera 2	<input checked="" type="checkbox"/> Low Res Cam 1	<input checked="" type="checkbox"/> Low Res Cam 2
	<input checked="" type="checkbox"/> Low Res Cam 3	<input checked="" type="checkbox"/> Low Res Cam 4	<input checked="" type="checkbox"/> Low Res Cam 5
Equipment Malfunctions	Information withheld due to Underwater Cultural Heritage Site		
ROV Dive Summary (from processed ROV data)			
Special Notes			
Scientists Involved (please provide name, location, affiliation, email)	Name	Email	Affiliation
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Purpose of the Dive	Maritime heritage dive to conduct non-invasive video survey of remains of USS Baltimore, late 19 th -century USN protected cruiser scuttled near Oahu in 1944, including: documentation of specific 19 th -century features; photogrammetry and mosaic data compilation; assessment of scuttling damage; assessment of preservation/deterioration status; marine species inventory.		
Description of the Dive	Vessel was found upright and intact on the flat sandy bottom. A complete video survey was accomplished meeting all the main objectives: perimeter survey of main features; detailed photogrammetry compilation of iconic bow ram; detailed engineering spaces documentation; full deck photomosaic compilation; hull plate damage assessment. Data will enable interpretive products of this historic vessel.		



Overall Map of the ROV Dive Area	Close-up Map of Main Dive Site
 <p>This map shows the dive area with bathymetric contours. Key locations are marked: Launch 1, Launch 32, ROV22 Off Bottom, ROV21 On Bottom, End of aft deck survey, Stbd aft deck transition, Stbd aft deck transition over plating, and Stbd aft deck transition.</p>	 <p>This close-up map highlights the main dive site with specific points of interest circled: End of aft deck survey, Stbd aft deck transition, Stbd aft deck transition over plating, Stbd aft deck transition, Stbd aft deck transition, Stbd aft deck transition, Port Bow, and ROV22 Off Bottom.</p>
Representative Photos of the Dive	
	
The stern of the USS Baltimore was modified to accommodate mine laying operations.	At the bow of the USS Baltimore, there was a large aggregation of Brisingid sea stars.
Samples Collected	
No samples were collected during this dive.	

Please direct inquiries to:

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