




Okeanos Explorer ROV Dive Summary

Dive Information			
Dive Map			
Site Name	Engineering Dive Site 3		
Expedition Coordinator(s)	Brian RC Kennedy		
ROV Lead(s)	Karl McLetchie		
Science Team Lead(s)	Frank Cantelas and James Delgado		
General Area Descriptor	South of Oahu		
ROV Dive Name			
Cruise	EX-16-08		
Leg	0		
Dive Number	2		
Equipment Deployed			
ROV	Deep Discoverer (D2)		
Camera Platform	Seirios		
ROV Measurements	<input checked="" type="checkbox"/> CTD	<input checked="" type="checkbox"/> Depth	<input checked="" type="checkbox"/> Altitude

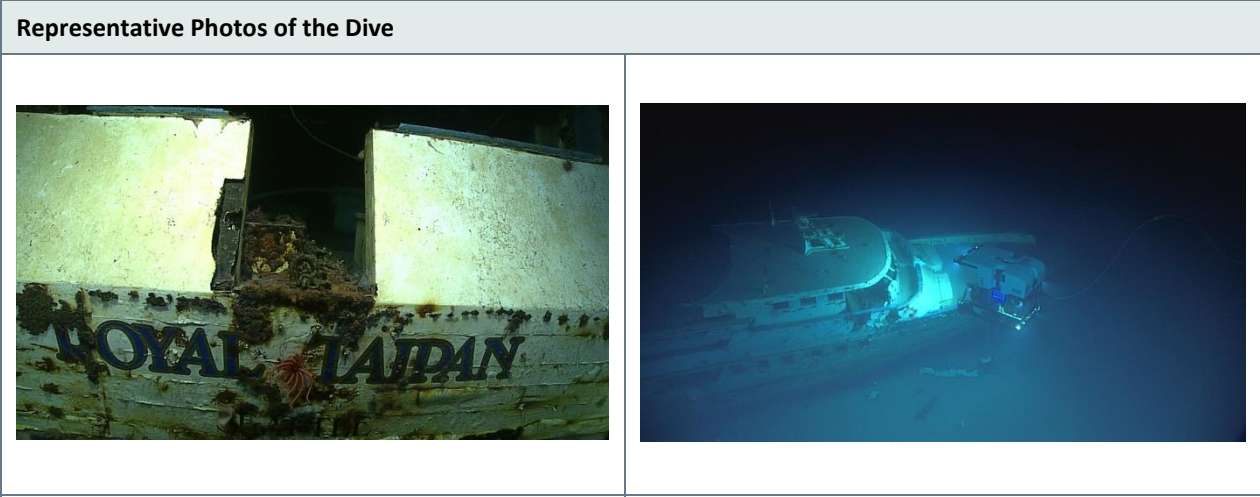
	<input checked="" type="checkbox"/> Scanning Sonar	<input checked="" type="checkbox"/> USBL Position	<input checked="" type="checkbox"/> Heading
	<input checked="" type="checkbox"/> Pitch	<input checked="" type="checkbox"/> Roll	<input checked="" type="checkbox"/> HD Camera 1
	<input checked="" type="checkbox"/> 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			
ROV Dive Summary (from processed ROV data)	Redacted to protect the position of the wreck		
Special Notes			
Scientists Involved (please provide name, location, affiliation, email)	Shore based scientist were not recorded		
Purpose of the Dive	Engineering trials of ship and ROV systems and to explore an unidentified sonar target that may be a ship wreck.		
Description of the Dive	<p>This dive was devoted to engineering trials of the ROV and Telepresence systems. After the engineering objectives were complete the last two hours of the dive were spent investigating a target found by Gary Fabian in multibeam sonar data collected on a previous EX cruise. The target turned out to be the wooden motor vessel <i>Royal Taipan</i> out of Seattle, sitting on the bottom with a starboard list. It measures roughly 41m in length and 8 meters in beam as shown on scanning sonar. Online historical research during the dive found this vessel was commissioned as the auxiliary mine sweeper USS <i>Swan</i> in 1944, and remained in military service until 1959 when, after being purchased by General Motors Defense Research Laboratories, she was converted it into a research vessel. It was operated by Wind Jammer cruises for some time in the 1980s and 90s and was last registered in Portland Oregon. After 1996, documentation ends. Physical condition of the shipwreck suggests <i>Royal Taipan</i> probably sank within the past two decades. The intact hull and three-deck wooden superstructure is painted white with blue trim. All of the equipment on the bridge has been removed and an open trunk penetrating the deck into the engine spaces indicates this vessel was stripped of valuable equipment and fittings. A tow bridle on the bow confirms that valuables were salvaged before the hull was towed to deep water</p>		

	and scuttled. Sessile marine life inhabits the wreck and deteriorated portions of the wooden hull exhibit substantial worm damage.
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Overall Map of the ROV Dive Area	Close-up Map of Main Dive Site
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Redacted to protect the position of the wreck	Redacted to protect the position of the wreck
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Representative Photos of the Dive	
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The name Royal Taipan can clearly be seen on the stern	The ROV investigates the bridge of the Royal Taipan.
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Please direct inquiries to:

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