






Okeanos Explorer ROV Dive Summary

Dive Information			
Dive Map			
Site Name	Three Piece Japanese Midget Submarine		
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	6		
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	The position of this wreck is project and cannot be distributed without permission		
Scientists Involved (please provide name, location, affiliation, email)	Shore based scientist were not recorded		
Purpose of the Dive	Document the condition of the three-piece Japanese Midget Submarine that was lost on December 7 th 1941 and participant in the ceremonies associated with of the 75 th anniversary of the attack on Pearl Harbor.		
Description of the Dive	<p>On December 7, 2016, NOAA dove on the wrecks of the Japanese mini submarines that was involved in the attack on Pearl Harbor in 1941, this dive focused on the wreck known as the three-piece. A team of maritime archaeologists and scientists from NOAA's Office of National Marine Sanctuaries and Office of Ocean Exploration and Research used the remotely operated vehicle (ROV) <i>Deep Discoverer</i> on NOAA Ship <i>Okeanos Explorer</i> to document the condition of the wreck sites and record and live-stream video of the exploration.</p> <p>This was the first time the public was able to view live underwater exploration of this wreck. The live video of the historic dives received over 1.5 million views. Throughout the dive, maritime archaeologists aboard the ship and in land-based Exploration Command Centers described the exploration and the submarines' historic role in the Pearl Harbor attacks.</p>		

Overall Map of the ROV Dive Area	Close-up Map of Main Dive Site	
Redacted to protect the position of the wreck	Redacted to protect the position of the wreck	
Representative Photos of the Dive		
		
The figure 8 torpedo guard on the bow	The center section of the submarine	

Please direct inquiries to:

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