


OKEANOS EXPLORER ROV DIVE FORM

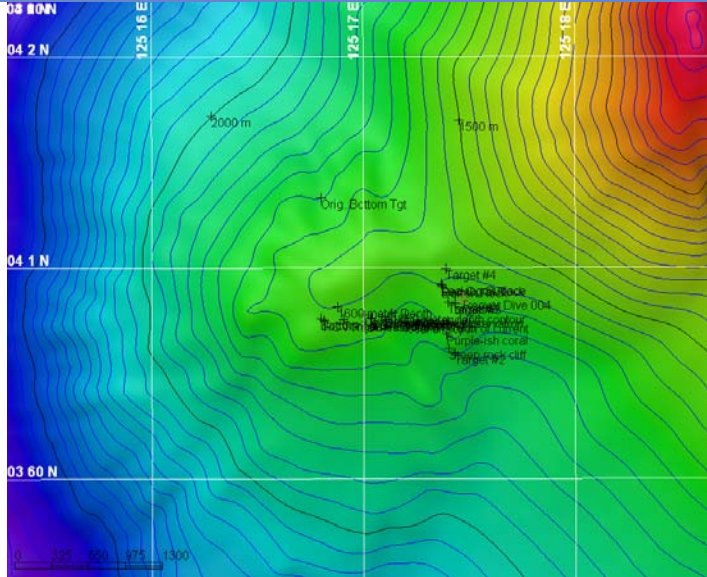
Site Name	Bulan						
ROV Lead	Dave Lovalvo						
General Area Descriptor	290 km North of Bitung, Indonesia						
UTC Date & Time	Deployment	7/2/2010 12:17 AM					
	Recovery	7/2/2010 8:51 AM					
Bottom Time [HH:MM]	[04:01]						
Landing Time & Location	UTC Time	01:30			Depth [m]	1602	
	Latitude	4	°	00.752		'	N
	Longitude	125	°	16.740		'	E
Off Bottom Time & Location	UTC Time	07:35			Depth [m]	1611	
	Latitude	4	°	00.923		'	N
	Longitude	125	°	17.364		'	E
ROV Dive Name	Cruise Season	EX1004			Leg	LEG02	
					Dive Number	ROV04	
Equipment Deployed	ROV:	Little Hercules					
	Camera Platform:	Phoenix Camera Platform					
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		
	<input checked="" type="checkbox"/> Low Res Cam 1	<input checked="" type="checkbox"/> Low Res Cam 2					
Equipment Malfunctions	Click here to enter text.						
Special Notes	Click here to enter text.						
Scientists Involved <i>(please provide name / location / affiliation / email)</i>	<p>David Butterfield/Seattle ECC/PMEL Verena Tunnicliffe/Seattle ECC/UVIC Tim Shank/WHOI/WHOI Santiago Herrera(student)/WHOI/WOI Jill McDermott (student)/WHOI/WOI Catriona Munro (student)/WHOI/WOI Elizabeth Silbert (student)/WHOI/WOI Ellie Bors (student)/Seattle ECC/WHOI Jim Holden/Jakarta ECC/UMASS John Sherrin (student) – EX Control Room/U of Victoria Xerandy – EX Control Room/Indonesia</p>						

Purpose of the Dive: To explore [Click here to enter text.](#)

Description of the Dive:

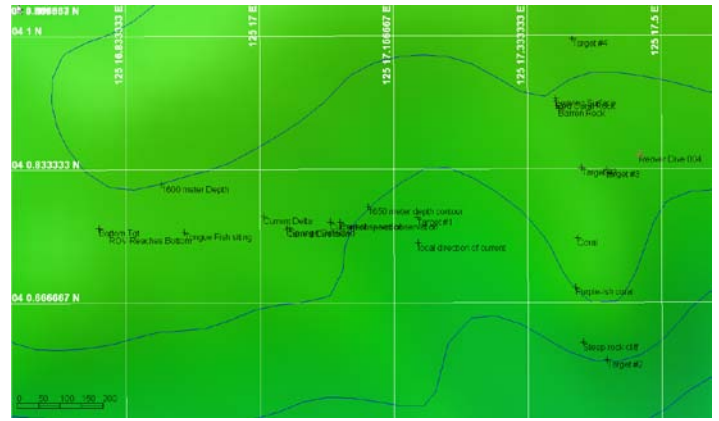
The launch target for EX-1004-Leg II_ROV004 was 4° 00.760'N 125° 16.800'E. The vehicle descended to a depth of 1600m on a small seamount that lay at the base of a larger seamount to the east. It reached the bottom approximately 40m downslope on the western flank of an east-west trending ridge. The bottom for most of the dive was light coloured, sandy sediment. A few rocky outcrops appeared in areas of steeper terrain. There was no evidence of hydrothermal activity. Biology appeared dominated by sparse assemblages of solitary corals, shrimp, galatheid crabs, and sponges. Small crustaceans or barnacles were visible on several corals and sponges.

Overall Map of ROV Dive Area



Hypack view of overall dive site Bulan

Close-up Map of Main Dive Site



Hypack view of dive targets

Representative Photos of the Dive



20100702_07h05m12s13_ROVHD_CRAB_IN_CORAL

The bottom for most of the dive was light coloured, sandy sediment, with the biology dominated by sparse assemblages of solitary corals, shrimp, galatheid crabs, and sponges. Small crustaceans or barnacles were visible on several corals and sponges.



20100702_04h42m04s23_ROVHD

A few rocky outcrops appeared in areas of steeper terrain, with occasional sparse assemblages of solitary corals, shrimp, galatheid crabs, and sponges.

Please direct inquiries to:

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