


# OKEANOS EXPLORER ROV DIVE FORM

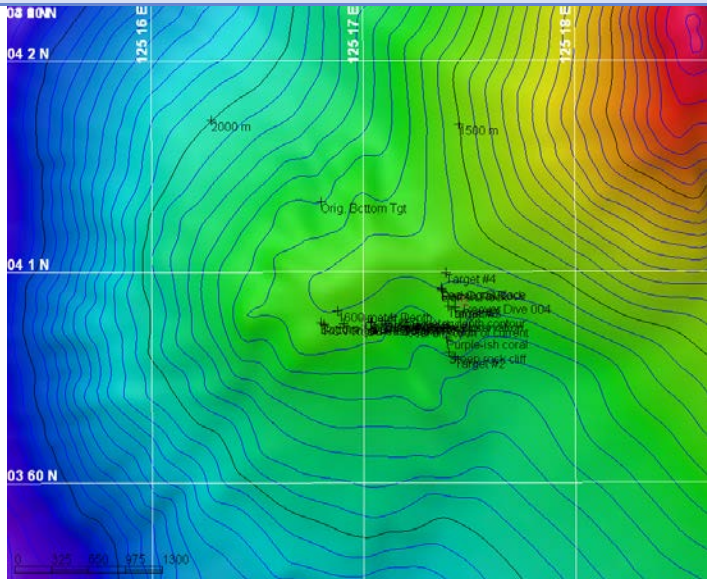
<b>Site Name</b>	Bulan						
<b>ROV Lead</b>	Dave Lovalvo						
<b>General Area Descriptor</b>	290 km North of Bitung, Indonesia						
<b>UTC Date &amp; Time</b>	Deployment	7/2/2010 12:17 AM					
	Recovery	7/2/2010 8:51 AM					
<b>Bottom Time [HH:MM]</b>	[04:01]						
<b>Landing Time &amp; Location</b>	UTC Time	01:30			Depth [m]	1602	
	Latitude	4	°	00.752		'	N
	Longitude	125	°	16.740		'	E
<b>Off Bottom Time &amp; Location</b>	UTC Time	07:35			Depth [m]	1611	
	Latitude	4	°	00.923		'	N
	Longitude	125	°	17.364		'	E
<b>ROV Dive Name</b>	Cruise Season		Leg		Dive Number		
	EX1004		LEG02		ROV04		
<b>Equipment Deployed</b>	ROV:		Little Hercules				
	Camera Platform:		Phoenix Camera Platform				
<b>ROV Measurements</b>	<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					
<b>Equipment Malfunctions</b>	Click here to enter text.						
<b>Special Notes</b>	Click here to enter text.						
<b>Scientists Involved</b> <i>(please provide name / location / affiliation / email)</i>	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						

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

**Description of the Dive:**

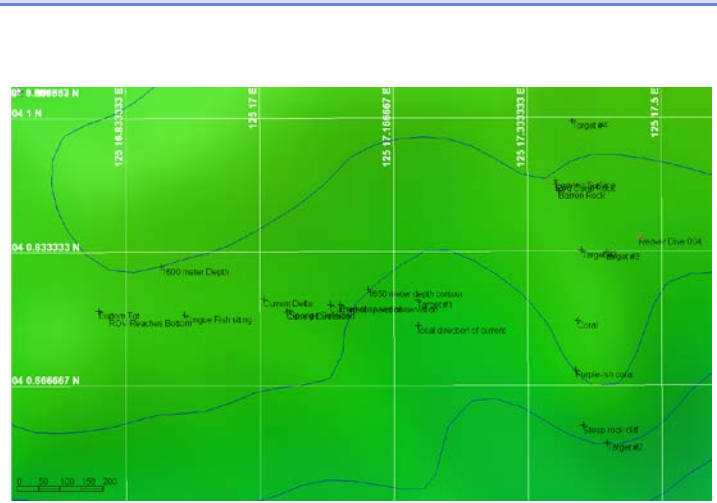
The launch target for EX-1004-Leg II\_ROV004 was 4° 00.760'N 125° 16.800'E. The vehicle descended to a depth of 1600m on a small seamount that lay at the base of a larger seamount to the east. It reached the bottom approximately 40m downslope on the western flank of an east-west trending ridge. The bottom 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\_04h42mo4s23\_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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