


# OKEANOS EXPLORER ROV DIVE FORM

<b>Site Name</b>	Gelembung II					
<b>ROV Lead</b>	Dave Lovalvo					
<b>General Area Descriptor</b>	139 km N of Bitung, Indonesia					
<b>UTC Date &amp; Time</b>	Deployment	8/6/2010 12:13 AM				
	Recovery	8/6/2010 7:57 AM				
<b>Bottom Time [HH:MM]</b>	05:25					
<b>Landing Time &amp; Location</b>	UTC Time	01:23		Depth [m]	1451	
	Latitude	2	0	41.189975		N
	Longitude	125	0	15.470076		E
<b>Off Bottom Time &amp; Location</b>	UTC Time	06:48		Depth [m]	1116	
	Latitude	2	0	41.384012		N
	Longitude	125	0	15.728146		E
<b>ROV Dive Name</b>	Cruise Season	EX1004		Leg	LEG03	
				Dive Number	ROV14 (27)	
<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>	None					
<b>Special Notes</b>	Click here to enter text.					
<b>Scientists Involved</b> <i>(please provide name / location / affiliation / email)</i>	Santiago Herrera (on-board Science Lead), EX, WHOI, sherrera@whoi.edu <b>Tim Shank (on-shore Science Lead), ECC Jakarta, WHOI, tshank@whoi.edu</b> Rainer Troa, EX, renertroa@gmail.com Eleanor Bors, ECC Seattle, WHOI, ekbors@gmail.com Catriona Munro, WHOI, WHOI, c.munro@ucl.ac.uk Elizabeth Sibert, WHOI, WHOI, esibert@ucsd.edu Jonathan Rose, U. Victoria, U. Victoria, jonmrose@uvic.ca					
<b>Purpose of the Dive:</b> The goal is to explore a southwestern limb of the seamount ("Gelembung") for evidence of hydrothermal, volcanic, and biological activity, investigating the detected presence of potential seepage putatively discovered by the BJ IV trawling operations; as well as investigate how the fauna on this seamount varies with depth. The dive plan is to start deep (~1380m) on a limb and line, and traverse upslope following this limb to waypoints 2 and continue upslope to the seamount summit.						





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The seafloor was mostly exposed basalt and layering rock with a fine layer of sediment in some regions. A very high abundance and diversity of sessile fauna and its associates was observed in this site.

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Very steep walls were commonly encountered. The very high coral dominance presented a shift at the shallower depths where crinoids appeared more abundant. Nonetheless the abundance of corals remained high.

**Please direct inquiries to:**

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