


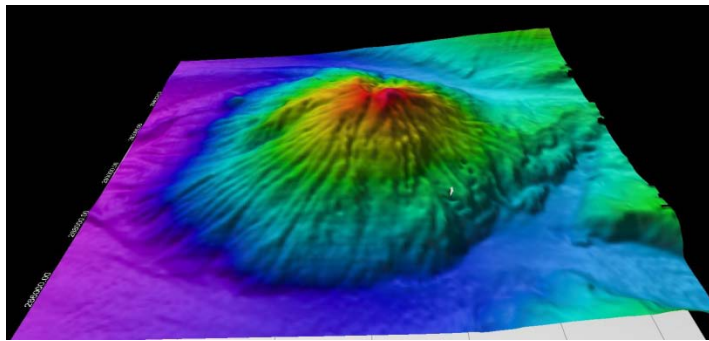
OKEANOS EXPLORER ROV DIVE FORM

Site Name	Site J					
ROV Lead	Dave Lovalvo					
General Area Descriptor	130 km N of Bitung, Indonesia					
UTC Date & Time	Deployment	7/12/2010 12:11 AM				
	Recovery	7/12/2010 8:03 AM				
Bottom Time [HH:MM]	[5:33]					
Landing Time & Location	UTC Time	01:22		Depth [m]	1170	
	Latitude	2	°	47.480		N
	Longitude	125	°	05.166		E
Off Bottom Time & Location	UTC Time	06:55		Depth [m]	1067	
	Latitude	2	°	37.555		N
	Longitude	125	°	05.344		E
ROV Dive Name	Cruise Season	EX1004		Leg	LEG02	
				Dive Number	ROV12	
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>	David Butterfield/Seattle ECC/PMEL Verena Tunnicliffe/Seattle ECC/UVIC Tim Shank/WHOI/WHOI Santiago Herrera(student)/WHOI/WOI Catriona Munro (student)/WHOI/WOI Elizabeth Silbert (student)/WHOI/WOI Ellie Bors (student)/Seattle ECC/WHOI Jim Holden/Jakarta ECC/UMASS Xerandy – EX Control Room/Indonesia John Sherrin (student) – EX Control Room/U of Victoria					
Purpose of the Dive:	To explore Click here to enter text.					

Description of the Dive:

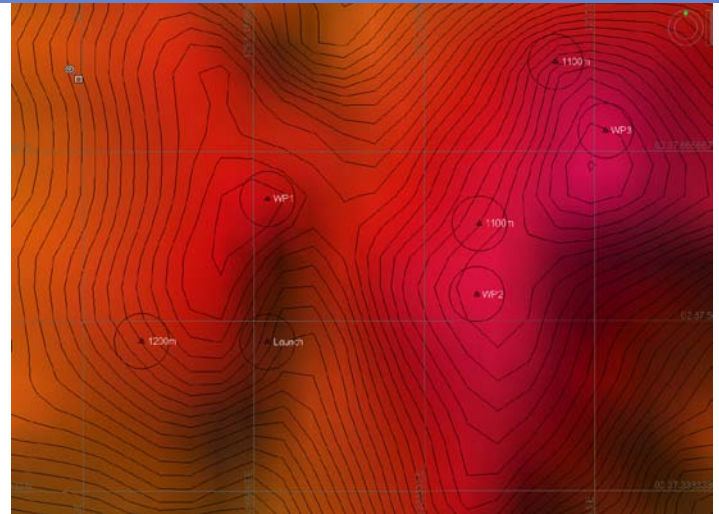
The crew launch the ROV for Dive 12 at 2° 37.480'N 125° 05.18'E around 0815. The target seamount had an east-west trending ridge that rose to a depth of approximately 1100m. The ROV arrived on bottom approximately 100m below the summit. It traversed up a steep slope which was heavily sedimented and had relatively low biomass. We observed sparse assemblages of hexactinellid sponges, corals with brittle stars and various types of crabs, urchins, and fish. Shallower depths closer to the summit were also heavily sedimented and the feature overall resembled some of the other deeper seamounts we had explored on previous dives.

Overall Map of ROV Dive Area



Overview of "Site J"

Close-up Map of Main Dive Site



Hypack area map of dive site

Representative Photos of the Dive



20100712_01h25m12s24_ROVHD_BOTTOM_TYPE.jpg
The ROV traversed up a steep slope which was heavily sedimented and had relatively low biomass.



20100712_02h44m50s10_ROVHD_BRITTLE_STAR_CORAL
We observed sparse assemblages of hexactinellid sponges, corals with brittle stars and various types of crabs, urchins, and fish. Shallower depths closer to the summit were also heavily sedimented.

Please direct inquiries to:

NOAA Office of Ocean Exploration & Research
1315 East-West Highway (SSMC3 10th Floor)
Silver Spring, MD 20910
(301) 734-1014