

IODP-MSP (Exp. 357) VISUAL SECTION UNIT DESCRIPTION

DIS entered

Exp. 357	Site 72	Hole A	Core 1	Type R	Section 1
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Observers AAAS

[cm]	Scanned Image	Unit	Sketch	Lithology	Veins and Alteration	Structure	Description		
0		1		Roughly Consolidated Carbonate sand with Basalt Fragments (Rubble)	<p>thin (<1mm) Mn(Fe) crust on the 7-18cm rubble</p> <p>oxidation of the matrix of the 28-31cm breccia rubble, possible thin oxidation rim (orange) on some basaltic fragments</p> <p>breccia approx sedimentary, no sign of fracturing</p>		<ul style="list-style-type: none"> • Non vesicular (<1% vesicles) to sparsely vesicular (1-2% vesicles), variably infilled with secondary minerals • Aphyric, aphanitic to microcrystalline - can't deduce groundmass mineralogy easily. • Clast edges, occasionally altered and/or oxidized <p style="text-align: right;">BASALTS</p>		
5						Basalt Fragments (Rubble to available core pieces)			<p>① Sub-centimeter to 3cm fragments of basalt, one fragment of consolidated carbonate sand (lighter, 2) in a roughly consolidated carbonate sand matrix. Rich in foraminifera, other microfossils.</p>
10						Sedimentary Basaltic Breccia with carbonate matrix (Rubble to intact)			<p>② Angular fragments of basalt commonly with coatings/crust on one or more fractured edges (likely poorly consolidated breccia).</p>
15						Sedimentary Basaltic Breccia basaltic clast matrix? (Mostly intact)			<p>③ Clast-rich basaltic breccia with angular clasts to approx. 5cm, oxidized carbonate? matrix. Note: may be oxidized/carbonated equivalent of ④</p>
20									<p>④ Basaltic breccia with angular clasts and a green matrix groundmass. Clasts clmm to approx. 5cm, exclusively basaltic.</p>
25									<p>Foraminiferal sand extends to 37cm.</p>
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