

IODP-MSP (Exp. 364) VISUAL SECTION UNIT DESCRIPTION

Exp. 364	Site 77	Hole A	Core 297	Type R	Section 1
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Date 12.10.2016	Time 10:35	Observers MP, AP, LF, NT
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Disturbance	Core	CT	Description	
0			Aplite						From 2-6 cm - End of aplite intrusion	
10		①	Granite		M			Granite (unit)	① Granite, somewhat deformed, with thin veins, qtz and greenish mineral assemblage, with k-feld (up to 3cm), plagioclase (1.5cm), Qtz (1.5cm), and biotite (<0.5cm). Locally dark red-to brown.	
20				30cm		M				
30										8cm - fragment above does not match core below (Drilling?)
40			②	Suevite						4-42cm - white-f. shear fracture, up to 2mm
50										15-34cm - diagenetic fractures up to 5mm filled with suevite matrix.
60										34-42cm - up to 2cm thick cataclastic, partially disaggregated against contact.
70										② Highly polymict suevite, matrix-poor, with clasts rounded to angular in shape, up to 11cm.
80										③ 48cm, highly elongated (14cm x 1.5cm) granitic.] parallel to contact.
90										Clasts of granite, gneiss, dolerite, mylonite, black melt, mafic rocks, etc.
100										Pyrite crystals up to 1.5 mm occurs.
110										Lower 5cm is more matrix-rich.
120										Pervasive epidote mineralisation in clasts.
130										
140										
150										
160										

very coarse msh - very variable CT
 Brinners (mostly D variability)

Pyrite grains

u

P/L

02

LF

Dk