

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

Exp. 364	Site 77	Hole A	Core 278	Type R	Section 1
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Date 10.10.16	Time 13:45	Observers LF, NT, MP
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Core Disturbance	CT	Description
0		①	Suevite		Suevite Facies			<p>① Suevite with grey, fine-grained, matrix, and clasts up to > than 14 cm, from angular to rounded. Clasts dominated by granites, aplite, mafic, black melts, etc. Deformation (clasts truncated) post rock emplacement.</p> <p>Shear faults, <mm, white, ^{up to} 1cm throw that truncate clasts and matrix. Dextral, extensional <u>sense</u></p>
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								
160								

② Nonacid breccia (Granite)

Highly porous breccia is DS to B, mixed D, otherwise mid grey high D, low Z

② Highly deformed, brecciated, granite (= monomict breccia); K-feld (up to 2cm), plag. (1.5cm), Qtz (1cm), and biotite (0.5cm). Highly porous - leached granite (most of the qtz is leached). Melt (black, up to 0.5cm) occur locally.

Less deformed in lower part of section, granitic texture preserved. Granite is greyish/ ^{brown} color.

50-80cm: Shear faults are more well-preserved than the granite host. Anastomosing conjugate sets. At 94 cm faults overprint brecciation

90-122 cm: <mm white shear fracture network, 1cm spacing