

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

Exp. 364	Site 77	Hole A	Core 162	Type R	Section 1
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Date 3/10/16	Time 11:55	Observers MP, RA, LF, NT
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Core Disturbance	CT	Description
0								19-20 Diffuse shear band, curvilinear
10								22-28cm Fracture following diffuse shear band
20								28cm subhorizontal, branching, diffuse shear band, along which, infilled porosity occurs. c_c (1.5cm)
27								
30								30-35cm diffuse shear band parallel to fracture
40		1	Dolerite (aphanitic)					40-44cm anastomosing set of diffuse subhorizontal shear bands, up to 3mm wide
50								50-62cm 7cm wide contact zone in dolerite
60				reddish alteration				62cm: 1cm wide process zone between granite clast & dolerite, 2cm wide granite clast marks contact between aphanitic and phaneritic dolerite
62		2	Dolerite (phaneritic)					63cm 1cm thick contact zone
70								67cm subhorizontal diffuse shear band, plus E-dipping black-filled veins
73								76cm 2cm wide contact zone to granite
80								① Dolerite (aphanitic) [GLY 1/2, S/S] - A few pyroxene up to 4mm.
90								② Dolerite (phaneritic) - Plag laths up to 8mm, pyroxene (up to 3mm) - Sharp contact
100			Granite					③ Coarse-grained granite, K-feld (up to 3cm), Plagio (2.5cm), Qtz (1.5cm), and biotite (0.5cm) Biotite locally concentrated
110								
120								
130								
140								
150								
160								

Pick

OK

Pick

Riller LF