

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

Exp. 364	Site 77	Hole A	Core 222	Type R	Section 1
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Date 6.10.16	Time 10:00	Observers MP, AR, LF, NT
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Disturbance	Core	CT	Description
0									12-30cm: 5mm thick <sup>brown</sup> black vein irregular edge of vein related to sub-mm veins in dolerite, alteration in dolerite against thick vein
10			Dolerite	Dolerite brownish vein					thin black veins throughout dolerite < 1mm
20									50-85cm: polymict <sup>lithic</sup> breccia at dolerite-granite contact, process zone
30			1						In 10cm band at bottom of dolerite plagioclase fine to contact, 2cm alteration zone at contact
40									has massive quartz matrix with clasts of granite & dolerite, where dolerite clasts contain clasts of quartz, several unoriented pieces in core have fault lineations
50			52						
60				Polymict lithic breccia					
70			70						
80			2						
84			84						
89			89						
90									
100									98-113cm: anastomosing shear fracture, white < 1mm
110			3	Granite					
120									① Dolerite (phaneritic) with plagioclase up to 1cm, px (3mm) and network of veins from < 1mm to 5mm (brown to black (irregular) sharp planar contact
130									② Coarse-grained granite, with K-feld (2,5cm), plagioclase (1cm), Qtz (1,5cm), and biotite (10,5cm). Greenish-grey (alteration) down to the end of section.
140									
150									
160									

Dolerite facies, breccia high D, low Z, granitic in contact and next dm Red higher 9 than typical granite facies.

DBN

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