

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

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Exp. 357	Site 76	Hole B	Core 6	Type R	Section 1
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Observers PM Shift

[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Vens	Structure	Description				
0					<p>NEST-TEXTURE</p> <p>MATRIX IS STRONGLY OXIDED</p> <p>PX-BASTITE NO OXIDED</p> <p>1-5CM METASOMATIZED RIM IN TALC-RICH PORTION (SHEARED)</p> <p>TALC</p> <p>alt hartz. (serp. amphib. talc?)</p> <p>hartz.</p> <p>sigmoidal serp. veinlets</p> <p>MELT INTRUSION IN SERPENTINIZED OXIDED HARTZ</p>	<p>030/55°</p> <p>w/ hartz plunf. ~120/20</p> <p>030/55°</p> <p>X 005/80</p>	<p>opt - 3-5mm granular mode - 5-10% anhedral</p> <p>contact (top), irregular det by hartz. frags.</p> <p>UNIT: variably alt. (to talc-schist.) hartz. (porphyroclastic)</p> <p>LOCALLY THE SERP HARTZURBITE IS ALTERED TO TALC-RICH LAYERED ZONE</p> <p>FROM 75 TO THE BOTTOM DIFFERENT MELT INTRUSIONS PENETRATED INTO PERIDOTITE. METASOMATISM AND OXIDATION POSTDATED CLEARLY THIS EVENT</p> <p>Deformation:</p> <ul style="list-style-type: none"> - Sub-vertical shear zones along Tc-Tr veins w/ schistose texture & cataclastic deformation (clasts reworked in shear zone). - Broad Tc-Tr shear zone @ 72-110 cm, possibly cross defined later with evidence possible fault gouge & broken-up peridotite <p>Talc/Amph veins</p> <p>Overall vein intensity 5 mm sized pale green. talc/amph (usually cross cutting, vertical)</p> <p>IRR/SIG SI/NET/BR BA/UN MASS.</p>				
5											
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60											
65											
70											
75											
80											

Sampling done

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[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description	
85				seip. half. w/ alteration	MELT INTRUSION? (see BEFORE)		with a continued PORPHYROCLASTIC SERPENTINIZED HARZBURGITE	
90					TALC-SCHIST SCHIST (MIXED PROTOM...?) w/ reworked clast			
95				rubble of seip. half.	LATE FAULT? SERPENTINE FAULT	TRENOLITE FAULT		
100					fault gouge?	fault gouge?		<p>WARNING: DO NOT SAMPLE AROUND GOUGE</p> <p>FAULT GOUGE (?) is UNCONSOLIDATED</p> <p>92-117 cm</p>
105				talc-amph alteration	MIXED PROTOM...?			
110				oxidized				
115				seip. half.	SAME AS BEFORE + MELT INTRUSION			
120								
125						TALC-SCHIST FIN		
130								
135								
140								
145								
150								
155								

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