

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

Exp. 357	Site 72	Hole B	Core 7	Type R	Section 1
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Observers PM Shift

[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description	
0							Unit 1: 0-27cm rubble of (TALC) AMPH-CHLORITE AND SERPENTINITE CLASTS angular to rounded	
5				SERP. + TALC- AMPH- CHL RUBBLE				
10			1					
15								
20								
25			2		SERPENTINITE	VERY FINE-GRAINED MESH-TEXTURE PATCHY ALTERED TO TALL		Unit 2: SERPENTINITE 27-34 cm partially altered to (talca) amph- 21-28 cm 3 bigger pieces 3-5 cm, most < 2 cm 28-34 cm: 1 coherent piece gradational planar contact to Unit 3
30								
35					RODINGITE	layered pale green layer alternating with black elongated clast		Unit 3: 34-65 cm (TALC) AMPH-CHL WITH 2 SECTIONS OF RODINGITE (37-48 cm and 53-59 cm) → rodingitized gabbro? light grains up to 5 mm
40					TALC-AMPH-CHL	THIS PART IS LESS SHEARED DARK GREEN FEW BLACK GRAINS AT THE BOTTOM		
45			3		RODINGITE	NORE LIKE THE FIRST PART IRREGULAR FOULATION, MAYBE FOLDED?		
50								
55					TALC-AMPH-CHL			gradational contact, fractured
60								
65					SERPENTINITE	THE SERPENTINE SHOW VERY FEW AREA WITH MESH TEXTURE. MOST OF THE TIME IS COVERED BY REDDISH OR DEEP GREEN ISOTROPIC COLOR		Unit 4: 65-83 cm SERPENTINITE → serpentinitized green veins serpentinitized hornblende? grains of basalt, formerly opx 1-4 mm, most < 2 mm mode 5%
70			4					
75								
80								

ASK XRD PROF 27-BOTTOM AND TSB ON RODINGITE - SERP CONTACT

WR
XRD SB

TSB
XRD
Talc
Amph zone

XRD

XRD

shear zone w/ (serpentine) clasts
infine calcite (spine like clast)
and black small clast (clastic in nature)
limited schistose
soft along veins

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[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description			
81-85		7		SERP.	<p>Similar AS BEFORE BUT LIGHTER PINK GREEN COLOR WITH BLACK GRAINS/LAYER/AREA</p> <p>Intensely deformed zone w/ schists</p>	<p>Gradual + 1 transition from stable to shear zone</p> <p>Mylonitization + catclasis (may give per</p>	<p>with CONTINUED</p> <p>Unit 5: 83-end</p> <p>altered is serpentinite → TALC-AMPH-CHL with RODINGITE (same as Unit 3)</p> <p>rodingite 100-104 cm (left side of core)</p>			
98-102		RODINGITE		<p>Unit 5: 100-104 cm (left side of core)</p> <p>Unit 5: 100-104 cm (left side of core)</p>						
102-105										
105-110										
110-115										
115-120										
120-125										
125-130										
130-135										
135-140										
140-145										
145-150										
150-155										