

Shipboard sampled

Entered in DIS

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

Exp.	Site	Hole	Core	Type	Section
357	71	A	1	R	1

Observers
LATE SHIFT

[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description	
0				meta-gabbroic injection	meta-gabbro in dunite		Manganese crust on upper face of first piece	
5					100% xiphonitization	chlorite + amphibole - strong facies of gabbroic vein	spinel along micro fault 270-20	
10				V ₀	V ₀ thin carbonate	chromite veins 270-55	WRIT 1: SERPENTINIZED DUNITE	① chromite train size of grain 2x2 mm (maximum) (10cm)
15				V ₁	V ₁ : carbonate veins	all the carbonate veins are open in fractures		② chromite concentrate (12cm) size of grain 1x1 mm (maximum)
20				V ₂	Serpentinized dunite	chrom. train 270-40 irregular		③ Chromite train (20-22cm) size of grain 2x2 mm (maximum)
25				V ₃		V ₂ carb. vein		④ chromite train (26-29cm) size of grain 3x3 mm (maximum)
30				V ₄		V ₃ carb. veins		mm-size mesh texture (0.1 < 3mm) highly oxidized - particularly near to carbonate veins.
35				V ₅		V ₄ carb. veins		ALTERATION = 0-5
40				V ₆		V ₅ carb. veins		metagb → very altered to chrl-rich assemblage intermixed with serpentine dun
45				V ₇		V ₆ carb. veins		S → end = serp dunite - Mesh texture very fine grained (much less than dunite before)
50				V ₈		V ₇ carb. veins		We see 2 event of reno mesh rim yellow mesh core green (not always):
55				V ₉		V ₈ carb. veins		
60				V ₁₀		V ₉ carb. veins		
65				V ₁₁		V ₁₀ carb. veins		
70				V ₁₂		V ₁₁ carb. veins		
75				V ₁₃		V ₁₂ carb. veins		
80				V ₁₄		V ₁₃ carb. veins		

LOGS

ST	VB
Veins	MH
Alter	VCB