

Shipboard sample

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

DIS entered

Exp.	Site	Hole	Core	Type	Section
357	69	A	9	R	2

Observers
JAPM, Shiff

[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description						
0		3		dark red to greenish TA: S 80% ox 20% IA: S 100% ox 20% Serp. mgf, Lx dep locally intense serp/ recrystallisation of serp (+mgf) (purple black corridors) with sometimes a serpentine vein inside Serpentinized Hornblende locally basaltic 25-31 cm dark serpentin zone chromite inclusions grey to black TA: S 90% ox 10% IA: S 100% ox 20% Serp mgf concentration oxides	no air 00/270 20/0270 dark serpentine veins alteration zones horizontal mesh texture V1 05/270 V2 25/270 V3 90/000 15/090 V4 25/090 with dark serp zone 00/000 V5 see to right V6 00/090 V7 80/090 V8 05/090 V9 50/090 V10 00/090 V11 20/270 V12 10/270	V1: serp. vein pale green, sigmoidal, isolated, massive, uniform lens-shaped V2: white, straight, single, massive, composite serp. and carbonates V3: white, sigmoidal, isolated, massive, uniform carbonates V4: same as V2 V5: green, sigmoidal, isolated, massive, uniform Serpentine (seems to be a network in a dipping zone 45/270 veins may be horizontal to 25/090) V6: white, straight, single, massive, uniform carbonates V7: white, branched, massive, composite irregular, carbonates V8: same as V2, V4 V9: same as V7 V10: white, straight, single, massive, composite orange carbonates V11: same as V10 V12: " V13: " V14: white orange, irregular, branched, massive, composite carb. partly ox. V15: orange, irregular, branched, massive, composite carb. with oxides halo							
5													
10													
15													
20													
25													
30													
35													
40													
45													
50													
55													
60													
65							4	Serpentinized Dunite	V7 V8 V9 V10 V11 V12	Serpentinized Hornblende	Unit 3 with porphyroclastic fabric 00/090		
65													
70													
75													
80							5					Serpentinized Hornblende	Unit 5 porphyroclastic fabric 10/270

Shipboard sampled

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Exp. 357	Site 69	Hole A	Core 9	Type R	Section 2
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Observers AAAM

[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description
81-85		5		Serpentinized Harzburgite	black to orange TA.S 80% ox 20% IA.S 100% p. ox 20% p.	V14 80/090 V13 45/2070	78-99 horizontal serpentine fabric
90-100		6		Serpentinized Dunite	Same as unit 4 but oxidation is localized along a few fractures	V15 20/270 80/090	103-108 intense serpentine fabric. 15/090 chromite to 2x0.5mm
100-105							
105-110							
110-115							
115-120							
120-125							
125-130							
130-135							
135-140							
140-145							
145-150							
150-155							