

Shi prepared sampled

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

awerod in DIS

Exp.	Site	Hole	Core	Type	Section
357	71	A	1	R	2

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Observers
PT shift

[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description
0 - 29							
29 - 57		①		MBIO checked - some lith.  Serpentinized dunite			Unit: continued 29-57 SERPENTINIZED DUNITE (same as IR1) disseminated + trains of spl 1-2mm seafloor weathering?  AS IR1
57 - 65				V0 carbonate chromite trains V1 dunite V2 carbonate with clasts of dunite. V3 spl up to 8mm Carbonate-filled Breccia (clasts serp. horz. & c)	VERY FINE-GRAINED SERP DUN WITH SOILICATION LIKED TO CC VEINS	thin brecciated interval - 1 cm. cut by v0 chromite trains 270-50 v0=270.45  Contact between units 1 and 2: gradual over 3cm, 270-55 with hardly any strain; upper contact of breccia is sub// to dunite/hydr contact. gradational transitional contact top	
65 - 80		②		I'm NOT SURE ABOUT HARBZ. GREEN SPOTS ARE SOFT AND WITHOUT CLEAVAGE JEAFLOOR WEATHERING ON PREVIOUS BASTITE? 1/4 carb.	highly oxidized	Unit 2: SERPENTINIZED PORPH. HARBZBURGITE apxl bastite (green) 1-4mm brecciated interval, filled with carbonate -78cm highly oxidized 67-end	

Shipboard Sampled

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357	71	A	1	R	2

Observers
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Entered into DIS Description

Scanned Image [cm]	Sketch	Lithology	Alteration and Veins	Structure	Description
		<p>less oxidized</p> <p>rubble</p> <p>amphibole-chlorite rich domains</p> <p>Cpx-rich</p> <p>gabbroic interval</p> <p>Px-poor gabbro: Olivine (former serpentized)</p> <p>Fractured Serpentine</p> <p>(mineral after cpx? → sep. harz)</p>	<p>Oxidized</p> <p>horoxidized</p>	<p>lower level of breccia = 82 cm</p> <p>probably in the or nearly so</p> <p>between amphibole-chlorite zone and gabbro over 2-3 cm</p> <p>contact: gradual 270-40</p> <p>lower contact hor preserved</p> <p>fragments rubble is probably in situ or nearby so</p> <p>not measured: rubble are not // to plane</p>	<p>Unit 2 continued</p> <p>SERPENTINIZED HARZBURGITE</p> <p>sharp contact between highly oxidized and not oxidized material</p> <p>basite: 3-10 mm mode: 20%-30%</p> <p>sharp contact between amphibole-chlorite zone and gabbro over 2-3 cm</p> <p>some impregnation of host harzburgite</p> <p>GABBROIC INTERVAL</p> <p>97-102 cm - contains medium grained cpx-rich domains and cpx-poor, troctolitic zone</p> <p>SERPENTINIZED HARZBURGITE</p> <p>not oxidized</p> <p>basite: 5-8 mm, 20% modal</p> <p>ol mesh texture visible ~ 1 mm</p> <p>gabbroic interval in serpentized harzburgite: 97-102 cm.</p> <p>0-85 - mix cpx/FeOx veins</p> <p>85-124 - cpx (no FeOx)</p>