

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

Exp. 357	Site 68	Hole B	Core 4	Type R	Section 1
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Observers AAAS
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[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description
0 - 11		11		Fragments of porphyroblastic serpentinite			<ul style="list-style-type: none"> <li>Fragments to 6cm, some clay carbonate lined edges.</li> <li>Porphyroblasts of px to 1cm.</li> </ul>
11 - 25		12		Porphyroblastic serpentinite	<ul style="list-style-type: none"> <li>dark grey to green</li> <li>basites and bright green veins that are oriented</li> <li>TA: 90% S</li> <li>- melt imp. 10%</li> <li>IA: S 100%</li> <li>AD: S pervasive</li> <li>serp, oxides, ls, car mgst</li> </ul>	<ul style="list-style-type: none"> <li>banding fibrous, alternating fine and 1st of veins all parallel</li> <li>- scale 0.5- to 1cm</li> </ul>	<ul style="list-style-type: none"> <li>Veins</li> <li>① green with dark brown halo; serp</li> <li>② grey to green cutting veins ①</li> <li>I: melt impregnation? -&gt; to be confirmed by TS</li> </ul>
25 - 35		13		Sephonized chlorite-impregnated peridotite?	<ul style="list-style-type: none"> <li>grey, orange, black, dark green</li> <li>TA: TAC -&gt; 60%</li> <li>S -&gt; 15%</li> <li>O -&gt; 25%</li> <li>IA: TAC -&gt; 90%</li> <li>S -&gt; 100%</li> <li>O -&gt; 25%</li> <li>l</li> <li>halo, omph, chl, serp, oxides,</li> </ul>	<ul style="list-style-type: none"> <li>thick gabbro + lam serp</li> </ul>	<ul style="list-style-type: none"> <li>③ light green to dark green; composite; serp; cuts the background texture</li> <li>④</li> </ul>
35 - 55		13					
55 - 65		14		Mylonitic serpentinite	<ul style="list-style-type: none"> <li>dark green to dark brown</li> <li>no basites visible</li> <li>TA: 85% S</li> <li>5% O</li> </ul>	<ul style="list-style-type: none"> <li>thin gabbro stringer in serp</li> </ul>	
65 - 80		14			<ul style="list-style-type: none"> <li>base porphyroblasts</li> <li>IA: S -&gt; perov -&gt; 100%</li> <li>O -&gt; local -&gt; 25%</li> <li>serp (a); mgst</li> </ul>		<ul style="list-style-type: none"> <li>⑤ bright green, dark brown to orange halo along some of the veins; serp</li> <li>⑥ white, fibrous, louse shaped; serp</li> </ul>

IODP-MSP (Exp. 325) VISUAL SECTION UNIT DESCRIPTION

Exp. 357	Site 68	Hole B	Core 4	Type R	Section 1
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Observers AM Shift
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[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description					
85		4		Mylonitic Serpentine	periphyroclasts Rais → same as unit 12!		⑦ - white veins; carbonate cut green veins (s)  3 generation of vein 1st - chalky white - mainly // to dip 2d - green - mainly // to dip 3rd - carbonate reticulate network					
90												
95												
100												
105												
110												
115												
120												
125								15	Zoned Porphyroclastic Metasomatized Section? <u>met-gabbro</u>	white, green, grey, black, orange along the edges TA: TAL ~ 100% ZA: TAL ~ 90% talc, ampb, traces of sulfides, oxides, chl	possibly some oxyapatite breccia	Porphyroclasts to 1cm (opx-bulk)
130												
135												
140												
145												
150												
155												