

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

Exp. 357	Site 69	Hole A	Core 8	Type R	Section 1
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Observers AAAS

[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description
<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small;"> 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 </div> </div>				<p>• brown-green</p> <p>• TA: other: hydrothermal alteration of dolerite → 95%</p> <p>• TAC: 5%</p> <p>• IA: other → 20%, & TAC: 100%, &</p> <p>• Hc, amph, chl, epidote, oxides</p>	<p>• brown-green</p> <p>• irregular, branched, massive, uniform</p> <p>• epidote vein with a halo of epidote + chlorite</p>	<p>veins</p>	<p style="text-align: right;">15/270</p> <p><u>Dolerite:</u></p> <ul style="list-style-type: none"> Aphyric microcrystalline (0.1-0.5mm), generally quite fresh dolerite <p>Altered to metadolerite adjacent to orange-green veins (see a), above)</p> <ul style="list-style-type: none"> Metadolerite is coarse-grained (to around 0.8mm), much lighter and greenish - may contain epidote? <p style="text-align: right;">b)</p> <p>54-57 05/090; 60/090; 80/090</p> <p>v2: brown-green (golden)</p> <ul style="list-style-type: none"> irregular, branched, massive uniform epidote vein with irregular halo of epidote ± chlorite

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85				<p>talc schist kenotic screen</p>	<p>slightly higher degree of alteration patchy → epidote, chl</p>				
90				<p>Dolerite and Metadolerite</p>	<p>irregular dolerite intrusion contact w/ chilled margin</p>				
95						<p>pale green, grey, black</p> <p>TAC: 100%</p> <p>TA: 100%, p</p> <p>• Hc, amph, chl, omph</p>		<p>→ mylonitic to cataclastic + Hc-amph schist</p>	
100									
105									
110									
115									
120				2		<p>Talc-Amph Schist</p>			
125									
130									
135									
140									
145									
150				3		<p>Talc schist rubble</p>		<p>looks to be inside piece of talc-breccia</p>	<p>fault at base of core 17/270</p>
155									